Oregon
Theodore R. Kulongoski, Governor

Department of Land Conservation and Development
635 Capitol Street, Suite 150
Salem, OR 97301-2540
(503) 373-0050
Fax (503) 378-5518
www.lcd.state.or.us

AMENDED NOTICE OF ADOPTED AMENDMENT

December 12, 2007

TO: Subscribers to Notice of Adopted Plan
or Land Use Regulation Amendments

FROM: Mara Ulloa, Plan Amendment Program Specialist

SUBJECT: Washington County Plan Amendment
DLCD File Number 015-06

The Department of Land Conservation and Development (DLCD) received the attached notice of adoption. Due to the size of amended material submitted, a complete copy has not been attached. A copy of the adopted plan amendment is available for review at the DLCD office in Salem and the local government office.

Appeal Procedures*

DLCD ACKNOWLEDGMENT or DEADLINE TO APPEAL: December 28, 2007

This amendment was submitted to DLCD for review 45 days prior to adoption. Pursuant to ORS 197.830 (2)(b) only persons who participated in the local government proceedings leading to adoption of the amendment are eligible to appeal this decision to the Land Use Board of Appeals (LUBA).

If you wish to appeal, you must file a notice of intent to appeal with the Land Use Board of Appeals (LUBA) no later than 21 days from the date the decision was mailed to you by the local government. If you have questions, check with the local government to determine the appeal deadline. Copies of the notice of intent to appeal must be served upon the local government and others who received written notice of the final decision from the local government. The notice of intent to appeal must be served and filed in the form and manner prescribed by LUBA, (OAR Chapter 661, Division 10). Please call LUBA at 503-373-1265, if you have questions about appeal procedures.

***NOTE:** **THE APPEAL DEADLINE IS BASED UPON THE DATE THE DECISION WAS MAILED BY LOCAL GOVERNMENT. A DECISION MAY HAVE BEEN MAILED TO YOU ON A DIFFERENT DATE THAN IT WAS MAILED TO DLCD. AS A RESULT YOUR APPEAL DEADLINE MAY BE EARLIER THAN THE ABOVE DATE SPECIFIED.**

Cc: Doug White, DLCD Community Services Specialist
Carmel Bender, Comp Claim Planning/Review Specialist
Gary Fish, DLCD Regional Representative
Aisha Willits, Washington County

<paa> yl

FORM 2

DLCD Notice of Adoption

THIS FORM **MUST BE MAILED** TO DLCD WITHIN
5 WORKING DAYS AFTER THE FIRST FINAL DECISION
PER ORS 197.610, OAR CHAPTER 660, DIVISION 18

DATE STAMP
in person ☐ electronic ☐ mailed ☐
DEPT OF
DEC 10 2007
LAND CONSERVATION AND DEVELOPMENT
For DLCD Use Only

Jurisdiction: **Washington County**
Local file number: **06-389-PA**
Date First Evidentiary Hearing: **11/7/2007**
Date of Final Hearing: **12/5/2007**
Date Notice of Adoption form (Form #2) was sent to DLCD: **12/7/2007**
Was a Notice of Proposed Amendment (Form 1) mailed to DLCD? **Yes** Date mailed to DLCD: **10/29/2007**

☐ Comprehensive Plan Text Amendment
☒ Comprehensive Plan Map Amendment
☐ Land Use Regulation Amendment
☐ Zoning Map Amendment
☐ New Land Use Regulation
☐ Other:

Summarize the adopted amendment. Do not use technical terms. Do not write "See Attached" (limit of 500 characters):
Plan amendment to change the existing land use district of Agriculture and Forest - 10 Acre District (AF-10) to Agriculture and Forest - 5 Acre District (AF-5).

Does the Adoption differ from proposal? No, no explaination is necessary

Plan map changed from: **AF-10** to: **AF-5**
Zone map changed from: **n/a** to: **n/a**
Location: **13200 SW Whitmore Road, Hillsboro OR 97123**
Specify density: Previous: **1 D.U./10 ac.** New density: **1 D.U./5 ac.** Acres involved: **10**

Mark applicable statewide planning goals:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
☒	☒	☒	☒	☐	☐	☐	☐	☐	☐	☒	☒	☐	☒	☐	☐	☐	☐	☐

Was an Exception Adopted? ☐ YES ☒ NO

Did DLCD receive a Notice of Proposed Amendment 45-days prior to first evidentiary hearing? ☒ **Yes** ☐ **No**
If no, do the statewide planning goals apply? ☐ **Yes** ☐ **No**
If no, did Emergency Circumstances require immediate adoption? ☐ **Yes** ☐ **No**

DLCD file No. 015-06 (15472)

Please list affected state or federal agencies, local governments or special districts: Washington County Department of Land Use and Transportation, Washington County Sheriff, Washington County Fire District #2, Hillsboro School District, Laurelwood Water District

Local Contact: **Aisha Willits, Senior Planner**
E-mail: **aisha_willits@co.washington.or.us**
Phone: **(503) 846-3961**
Address: **155 N. First Ave., Suite 350-14**
City: **Hillsboro** Zip: **97124**
Fax: **(503) 846-4412**

ADOPTION SUBMITTAL REQUIREMENTS

This form **must be mailed** to DLCD **within 5 working days after the final decision**
per ORS 197.610, OAR Chapter 660 - Division 18.

1. Send this Form and **TWO Complete Copies** (documents and maps) of the Adopted Amendment to:

   ATTENTION: PLAN AMENDMENT SPECIALIST
   DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT
   635 CAPITOL STREET NE, SUITE 150
   SALEM, OREGON 97301-2540

2. Electronic Submittals: At least **one** hard copy must be sent by mail or in person, but you may also submit an electronic copy, by either email or FTP. You may connect to this address to FTP proposals and adoptions: **webserver.lcd.state.or.us**. To obtain our Username and password for FTP, call Mara Ulloa at 503-373-0050 extension 238, or by emailing **mara.ulloa@state.or.us**.

3. Please Note: Adopted materials must be sent to DLCD not later than **FIVE (5) working days** following the date of the final decision on the amendment.

4. Submittal of this Notice of Adoption must include the text of the amendment plus adopted findings and supplementary information.

5. The deadline to appeal will not be extended if you submit this notice of adoption within five working days of the final decision. Appeals to LUBA may be filed within **TWENTY-ONE (21) days** of the date, the Notice of Adoption is sent to DLCD.

6. In addition to sending the Notice of Adoption to DLCD, you must notify persons who participated in the local hearing and requested notice of the final decision.

7. **Need More Copies?** You can now access these forms online at **http://www.lcd.state.or.us/**. Please print on **8-1/2x11 green paper only**. You may also call the DLCD Office at (503) 373-0050; or Fax your request to: (503) 378-5518; or Email your request to **mara.ulloa@state.or.us** - ATTENTION: PLAN AMENDMENT SPECIALIST.

BEFORE THE PLANNING COMMISSION

FOR WASHINGTON COUNTY, OREGON

In the Matter of a Proposed Plan Amendment Casefile 06-389-PA Joseph & Barbara Rodriguez	)))	RESOLUTION AND ORDER No. 2007-03

This matter having come before the Washington County Planning Commission (Commission) at its meetings of November 7 and December 5, 2007; and

It appearing to the Commission that the above-named applicant applied to Washington County for a Plan Amendment to change the plan designation for certain real property described in the Notice of Public Hearing, (Exhibit "A"), attached hereto and by this reference made a part hereof, from Agriculture & Forest 10 Acre District (AF-10) to Agriculture & Forest 5 Acre District (AF-5); and

It appearing to the Commission that notice of the public hearing was sent to property owners as required by Community Development Code Section 204; and

On November 7, 2007, the Commission opened the public hearing, at which time staff summarized the basis for staff's recommendation that the plan amendment be denied and then invited the applicant to offer testimony in support of the request; and

On November 7, 2007, the Commission granted tentative approval of the request and directed the applicant to prepare findings in support of the request and continued the public hearing until December 5, 2007; and

It appearing to the Commission from evidence and supportive findings in the staff report (Exhibit "B"), including attachments, the staff report addendum (Exhibit "C"), and in the Application (Exhibit "D") and by this reference made a part hereof, that the aforementioned application does meet the requirements of the Comprehensive Plan for such a Plan Amendment; and therefore that the aforesaid application should be approved; and it is therefore

WASHINGTON COUNTY COUNSEL
155 N. FIRST AVE, SUITE 340 ~ MS #24
HILLSBORO, OR 97124
PHONE (503) 846-8747 • FAX (503) 846-8636

RESOLVED AND ORDERED that Casefile No. 06-389-PA for a Plan Amendment for property described in Exhibit "A" is hereby APPROVED. The Commission further adopts the findings in Exhibits "B", "C" and "D" as specifically referenced herein and as summarized in the Summary of Decision (Exhibit "E") attached hereto and by this reference made a part hereof.

5 votes Aye, 3 votes Nay.

PLANNING COMMISSION FOR
WASHINGTON COUNTY, OREGON

CHAIRMAN

RECORDING SECRETARY

WASHINGTON COUNTY COUNSEL
155 N. FIRST AVE, SUITE 340 ~ MS #24
HILLSBORO, OR 97124
PHONE (503) 846-8747 - FAX (503) 846-8636

WASHINGTON COUNTY
DEPARTMENT OF LAND USE AND TRANSPORTATION
PLANNING DIVISION
ROOM 350-14
155 NORTH FIRST AVENUE
HILLSBORO, OREGON 97124
(503) 846-3519 fax: (503) 846-4412
www.co.washington.or.us

NOTICE OF PUBLIC HEARING

CASE FILE NO.: 06-389-PA

APPLICANT:
Joe and Barbara Rodriguez
PO Box 790
Warrenton, OR 97146

APPLICANT'S REPRESENTATIVE:
Land Tech, Inc.
8835 SW Canyon Ln, Suite 402
Portland, OR 97225
CONTACT PERSON: Jamie Morgan

OWNER:
Joe and Barbara Rodriguez

PROCEDURE TYPE III

CPO: 10

COMMUNITY PLAN: Rural/Natural Resources

EXISTING LAND USE DISTRICT(S):
Agriculture & Forest, 10-acre minimum lot size (AF-10)

PROPERTY DESCRIPTION:
ASSESSOR MAP NO(S): 2S3 03
TAX LOT NO(S): 807
SITE SIZE: 10.17 acres
ADDRESS: 13200 SW Whitmore Road
LOCATION: On the south side of Whitmore Road, which is located east of the intersection of SW Laurelwood Road and SW Bald Peak Road.

PROPOSED PLAN AMENDMENT:
Remove the AF-10 plan designation and designate the parcel AF-5 (applicants received a Goal 14 waiver from the Department of Land Conservation and Development).

Notice is hereby given that the Planning Commission will review the request for the above stated proposed plan amendment at a meeting on: **November 7, 2007** at 1:30 PM in the auditorium of Washington County Public Services Building, 155 North First, Hillsboro, Oregon.

All interested persons may appear and provide written or oral testimony (written testimony may be submitted prior to a hearing). Only those making an appearance of record shall be entitled to appeal. The public hearings will be conducted in accordance with the rules of procedure as adopted by the Board of County Commissioners. Reasonable time limits will be imposed.

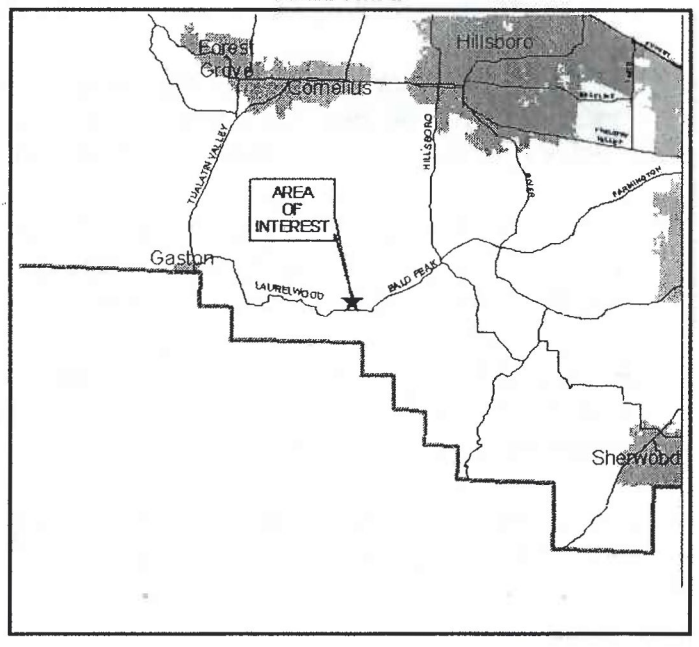
Assistive Listening Devices are available for persons with impaired hearing and can be scheduled for this meeting by calling (503) 846-8611 (voice) or (503) 846-4598 (TDD-Telecommunications Devices for the Deaf) no later than 5:00 p.m. on the day before the meeting. The County will also upon request endeavor to arrange for the following services to be provided: qualified sign language interpreters for persons with speech or hearing impairments, and qualified bilingual interpreters. Since these services must be scheduled with outside service providers, it is important to allow as much lead time as possible. Please notify the County of your need by 5:00 p.m. on the Monday preceding the meeting date.

FOR FURTHER INFORMATION, PLEASE CONTACT:

Aisha Willits, Senior Planner

AT THE WASHINGTON COUNTY DEPARTMENT OF LAND USE AND TRANSPORTATION, (503) 846-3519.

AREA MAP



NOTICE TO MORTGAGEE, LIENHOLDER, VENDOR OR SELLER:
ORS CHAPTER 215 REQUIRES THAT IF YOU RECEIVE THIS NOTICE, IT MUST BE PROMPTLY FORWARDED TO THE PURCHASER.

All interested persons may appear and provide written or oral testimony (written testimony may be submitted prior to the hearing but not after the conclusion of the hearing). Only those making an appearance of record (those presenting oral or written testimony) shall be entitled to appeal. Failure to raise an issue in the hearing, in person or by letter, or failure to provide sufficient specificity to afford the Review Authority (Planning Commission and/or Board of County Commissioners) an opportunity to respond to the issue precludes appeal to the Land Use Board of Appeals (LUBA) based on the issue.

The public hearing will be conducted in accordance with the following rules of procedure as adopted by the Board of County Commissioners. Reasonable time limits may be imposed.

RULES OF PROCEDURE

1. The staff will summarize the applicable substantive review criteria
2. A summary of the staff report is presented.
3. The applicant's presentation is given.
4. Testimony of others in favor of the application is given.
5. Testimony of those opposed to the application is given.
6. Applicant's rebuttal testimony is given.

Unless there is a continuance, if a participant so requests before the conclusion of the hearing, the record shall remain open for at least seven days after the hearing. Such an extension shall be subject to the limitations of ORS 215.428 or 227.178.

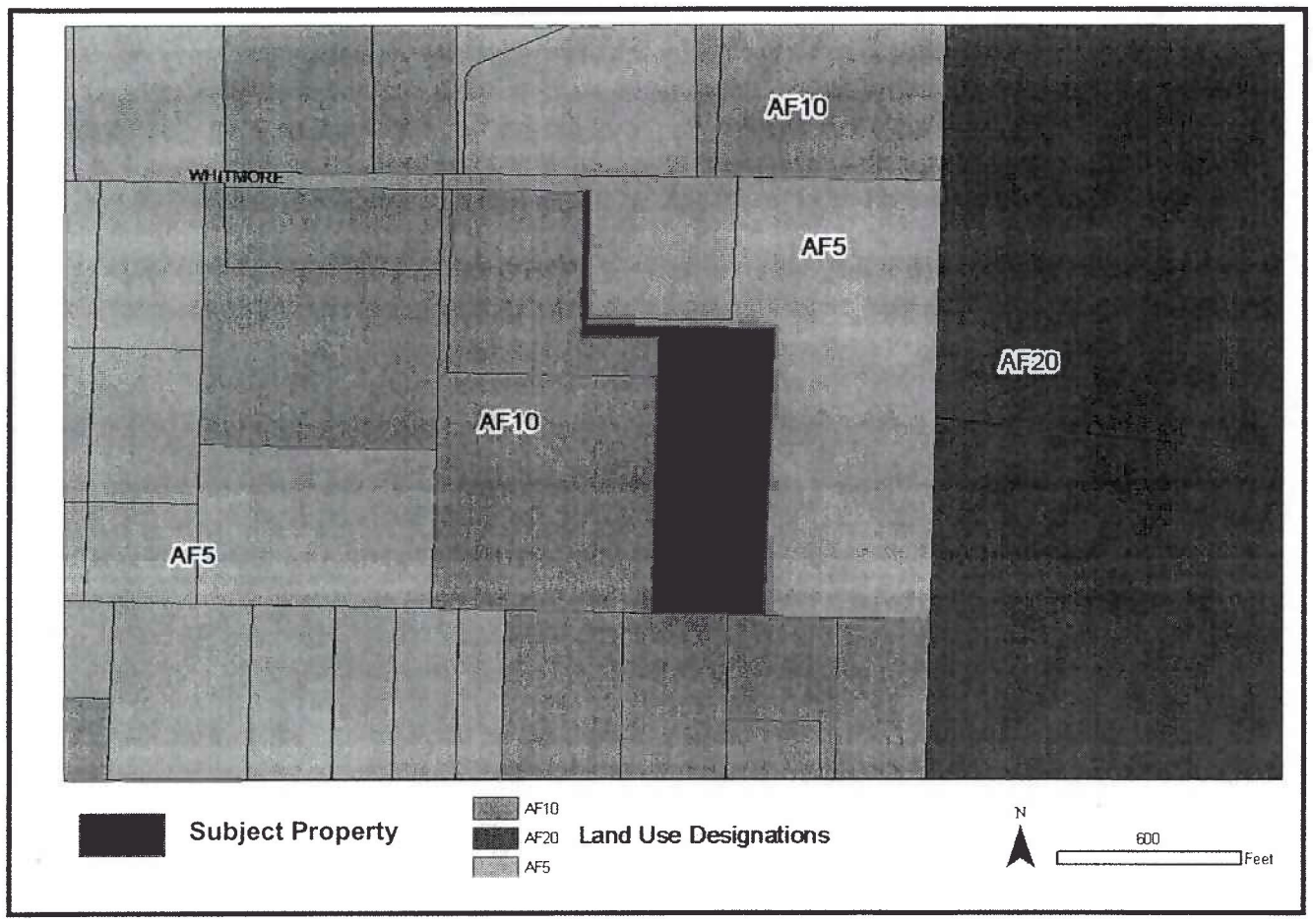
When the Review Authority reopens a record to admit new evidence or testimony, any person may raise new issues which relate to the new evidence, testimony or criteria for decision-making which apply to the matter at issue.

A copy of the application, all documents and evidence relied upon by the applicant and applicable criteria are available for inspection at no cost at the Department of Land Use and Transportation. A copy of this material will be provided at reasonable cost.

A copy of the staff report will be available for inspection at no cost at the Department of Land Use and Transportation at least seven days prior to the hearing. A copy of the staff report will be provided at reasonable cost.

For further information, please contact Aisha Willits, Senior Planner, Department of Land Use and Transportation, at (503) 846-3519.

Tax Map/Lot Number: 2S3 03, Tax Lot 807
Case File Number: 06-389-PA



Applicable Land Use Districts:

-AF-10 (Agriculture & Forest, 10-acre)

AF-5 (Agriculture & Forest, 5-acre)

Applicable Goals, Policies & Regulations:

A. LCDC Statewide Planning Goals 1, 2, 3, 9, 11, 12 & 14

B. Washington County Rural/Natural Resource PlanPolicies
1.p.2., 2, 6, 10, 14, 18, 19, 22 & 23

C. Washington County Community Development Code
Article II, Procedures
Article III, Land Use Districts, Sections 346-1 & 348-1

D. OAR 660-012-0060, OAR 660-014-0030, & OAR 660-014-0040

E. Washington County Transportation Plan Policies
1, 2, 4, 5, 6, 10, & 19

WASHINGTON COUNTY
Department of Land Use and Transportation
PLANNING DIVISION, SUITE #350-14
155 NORTH FIRST AVENUE
HILLSBORO, OREGON 97124-3072
tel (503) 846-3519 fax (503) 846-4412

STAFF REPORT

PROCEDURE TYPE: III
COMPREHENSIVE PLAN ELEMENT:
Rural/Natural Resource
CPO: 10

ASSESSOR MAP NO.: 2S3 03
TAX LOT NO(S): 807
SITE SIZE: 10.17 acres
LOCATION: Off SW Whitmore Road, north of SW Bald Peak Road

EXISTING LAND USE DISTRICT: Agriculture and Forest – 10 Acre District (AF-10)

CASEFILE NO.: 06-389-PA

APPLICANT:
Joseph & Barbara Rodriguez
PO Box 790
Warrenton OR 97146

APPLICANT'S REPRESENTATIVE:
Jamie Morgan
Land Tech, Inc.
8835 SW Canyon Lane, Suite 402
Portland OR 97225

OWNER (tax lot 2S3 03 / 807):
Applicant

SITE ADDRESS
13200 SW Whitmore Road, Hillsboro OR 97123

REQUEST: Comprehensive plan amendment from AF-10 to AF-5

Casefile No. 06-389-PA Staff Report for the November 7, 2007 Planning Commission Hearing

I. APPLICABLE REGULATIONS

A. LCDC Statewide Planning Goals 1, 2, 3, 9, 11, 12 & 14

B. OAR 660-004-0040, Application of Goal 14 (Urbanization) to Rural Residential Areas
OAR 660-012-0060, Transportation Planning – Plan and Land Use Regulation Amendments

C. Rural / Natural Resource Plan Policies: 1.p.2., 2, 6, 8, 10, 13, 14, 18, 19, 22 & 23

D. Washington County Transportation Plan Policies 1, 2, 4, 5, 6, 10 & 19

E. Washington County Community Development Code:

1. Article II, Procedures

2. Article III, Land Use Districts

Section 346-1 AF-10 District (Intent and Purpose)
Section 348-1 AF-5 District (Intent and Purpose)

II. AFFECTED JURISDICTIONS

Washington County Sheriff
Washington County Department of Land Use and Transportation
Washington County Fire District #2
Hillsboro School District
Laurelwood Water District

III. FINDINGS

A. General

Applicant: See page 1 of the application.

Staff: According to current tax assessment maps, tax lot 807 encompasses a total of 10.17 acres. The parcel is located north of SW Bald Peak Road, on the south side of SW Whitmore Road (see the map on page 17 of this staff report). The 10.17-acre subject property is currently developed with a single family residence. The applicant is requesting a plan amendment to change the designation of the subject property to AF-5.

Access to the subject property is currently taken from SW Bald Peak Road onto SW Whitmore Road (a rural local roadway for ~1,850 feet, then a rural private roadway). SW Bald Peak Road is identified on the Functional Classification Map as a rural collector roadway (see also Section D and Attachment A of this staff report).

The applicants have indicated that if the plan amendment is approved, they intend to request development review for a partition on the subject property to allow for the construction of a new home on the additional lot.

To date, staff has received one letter of comment regarding this plan amendment request. The letter, from the Oregon Department of Land Conservation and Development, is discussed below in Section B, Compliance with LCDC Statewide Planning Goals.

A Measure 37 claim was filed with Washington County in June 2005 to allow for the creation of two parcels on the subject property. The applicant was advised that the county could not waive its criteria for plan amendments; that only land use regulations could be waived. The county Measure 37 claim is currently on hold. The applicant received a Measure 37 waiver of Goal 14 and OAR 660-004-0040 from the State of Oregon in April 2006. The plan amendment request was filed with the county in February 2006.

B. Compliance with LCDC Statewide Planning Goals

Staff:

LCDC Goal 14, Urbanization

On September 28, 2000, the Land Conservation and Development Commission (LCDC) adopted an amendment to Goal 14, Urbanization. The goal amendment implemented and made effective a June 9, 2000 amendment to Oregon Administrative Rule (OAR) 660-004-0040. The OAR addresses rural residential development requirements by prohibiting the approval of rural residential plan amendments from AF-10 to AF-5 unless an exception to Goal 14 is taken. Specifically, Section 6 of OAR 660-004-0040 states:

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Laurelwood Water District

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B. Compliance with LCDC Statewide Planning Goals

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(6) After the effective date of this rule, a local government's requirements for minimum lot or parcel sizes in rural residential areas shall not be amended to allow a smaller minimum for any individual lot or parcel without taking an exception to Goal 14 pursuant to OAR 660, Division 14.

This rule prohibits counties from changing land use designations in rural residential areas that would allow a smaller minimum lot or parcel size. In Washington County, rural residential areas are the AF-10, AF-5 and RR-5 Districts. Since the applicant is requesting to change the plan designation of an existing rural residential lot to a designation which allows a smaller minimum lot size than currently allowed under the AF-10 designation, this request conflicts with Section 6 of OAR 660-004-0040.

The subject property is in an acknowledged Goal 3 "physically developed and irrevocably committed" exception area (#131). Prior to October 4, 2000, AF-10 to AF-5 plan amendments were fairly routine and did not require an exception to Goal 14. Most AF-10 to AF-5 plan amendments were approved unless evidence indicated that there were inadequate services for additional development. After changes were adopted in 2000, the county did not amend its Comprehensive Plan to be consistent with Oregon Administrative Rule 660-004-0040. In pre-application consultations with staff in 2005, the applicant was advised that because the county never amended its Comprehensive Plan to prohibit AF-10 to AF-5 plan amendments, he would have to contact the State of Oregon to determine whether Goal 14 and OAR 660-004-0040 regulations could be waived. The applicant received a final order on the claim in April 2006. The final order and staff report for the claim is attached to this staff report (Attachment B).

The State's final order stated that in lieu of compensation under ORS 197.352, the State of Oregon would not apply the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981 to the applicant's division of the 10.17-acre property into two approximately 5-acre parcels. County staff determined that if Goal 14 and OAR 660-004-0040 did not apply to the subject property, the applicant would be able to pursue a plan amendment from AF-10 to AF-5 under the county's process.

The applicant submitted a plan amendment application to the county in February 2006. The application was deemed complete and scheduled for a hearing before the Planning Commission in November 2006. In October 2006, staff received a letter from the Department of Land Conservation and Development (DLCD) regarding the plan amendment. The letter (Attachment C) states the State's order on the Rodriguez claim only waived Goal 14 and OAR 660-004-0040 regulations to allow the applicant to *divide* their 10.17-acre property [to the extent they would have been able to in 1981]. The letter also states the waiver can not be the basis for a comprehensive plan and zone change.

As the issuing agency of the Measure 37 claim waiver, county staff defers to DLCD with regard to the development authorized by the final order. DLCD has indicated that the State waiver does not authorize a comprehensive plan amendment. **For this reason, staff finds that the application for a plan amendment from AF-10 to AF-5 must be denied.**

C. Rural / Natural Resource Plan

1. Policy 1, the Planning Process, states:

It is the policy of Washington County to establish an on-going Planning Program which is a responsive legal framework for Comprehensive Planning, Community Development and Resource Conservation which accommodates changes and growth in the physical, economic and social environment, in response to the needs of the county's citizens. It is the policy of Washington

County to provide the opportunity for a landowner or his/her agent to initiate quasi-judicial amendments to the Comprehensive Plan on a semi-annual basis. In addition, the Board of Commissioners, the Planning Director, or the Planning Commission may initiate the consideration of quasi-judicial map amendments at any time deemed necessary.

Applicable Implementing Strategies:

o. *Require that all plan amendments:*

1) *Be in conformance with applicable LCDC Goals, State Statutes, and Administrative Rules;*

2) *Be in conformance with applicable policies and strategies of the Rural/Natural Resource Plan Element; and*

3) *Be in conformance with applicable policies, strategies, and systems maps of the Transportation Plan Element.*

Applicant: See page 3 of the application.

Staff: To be approved, this plan amendment application must be found to be in conformance with the applicable policies of the Rural/Natural Resource Plan and State goals, laws and rules. As described earlier in this staff report, DLCD says the State's Measure 37 claim waiver does not allow a comprehensive plan change. **Therefore, this application should be denied.**

p. *Require that plan map amendments meet the following criteria:*

As used in the following sections a mistake means a clerical error, or a mistake in the current designation such that it probably would not have been placed on the property had the error been brought to the attention of the Board during the adoption process.

2. *Amendments from Agriculture and Forestry-10 to Agriculture and Forestry-5 shall be based upon:*

A. *A mistake in this 1983 Plan; or*

B. *The site (area) is within a Physically Developed and Committed Area as defined in this Plan based upon:*

I. *The state of development and commitment that existed in July 1, 1983;*

Applicant: See pages 3 - 5 of the application.

Staff: This implementation strategy requires a demonstration that the subject property is part of a Goal 3 or Goal 4 "developed and committed" exception area as of July 1, 1983. The July 1983 date established a benchmark for the application of this strategy, which coincides with the determination of marginal lands. It was not intended that an applicant rejustify the determination of the acknowledged Goal 3 or Goal 4 exception area at the time of application for a plan amendment from AF-10 to AF-5. The subject property is in an existing Goal 3 exception area (#131), which was approved based on the state of existing development and development commitment that existed July 1, 1983.

According to the Exceptions Statement Document, Exception Area #131 encompasses approximately 890 acres, and as of 1983, was comprised of 107 parcels. The average parcel size

County to provide the opportunity for a landowner or his/her agent to initiate quasi-judicial amendments to the Comprehensive Plan on a semi-annual basis. In addition, the Board of Commissioners, the Planning Director, or the Planning Commission may initiate the consideration of quasi-judicial map amendments at any time deemed necessary.

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1) Be in conformance with applicable LCDC Goals, State Statutes, and Administrative Rules;

2) Be in conformance with applicable policies and strategies of the Rural/Natural Resource Plan Element; and

3) Be in conformance with applicable policies, strategies, and systems maps of the Transportation Plan Element.

Applicant: See page 3 of the application.

Staff: To be approved, this plan amendment application must be found to be in conformance with the applicable policies of the Rural/Natural Resource Plan and State goals, laws and rules. As described earlier in this staff report, DLCD says the State's Measure 37 claim waiver does not allow a comprehensive plan change. **Therefore, this application should be denied.**

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2. Amendments from Agriculture and Forestry-10 to Agriculture and Forestry-5 shall be based upon:

A. A mistake in this 1983 Plan; or

B. The site (area) is within a Physically Developed and Committed Area as defined in this Plan based upon:

I. The state of development and commitment that existed in July 1, 1983;

Applicant: See pages 3 - 5 of the application.

Staff: This implementation strategy requires a demonstration that the subject property is part of a Goal 3 or Goal 4 "developed and committed" exception area as of July 1, 1983. The July 1983 date established a benchmark for the application of this strategy, which coincides with the determination of marginal lands. It was not intended that an applicant rejustify the determination of the acknowledged Goal 3 or Goal 4 exception area at the time of application for a plan amendment from AF-10 to AF-5. The subject property is in an existing Goal 3 exception area (#131), which was approved based on the state of existing development and development commitment that existed July 1, 1983.

According to the Exceptions Statement Document, Exception Area #131 encompasses approximately 890 acres, and as of 1983, was comprised of 107 parcels. The average parcel size

at the time of adoption was 8.3 acres, with parcels ranging in size from .57 to 68 acres. In 1983, 51 percent of the parcels were improved.

To comply with this implementing strategy, the applicant must only demonstrate that the subject site is within a Goal 3 or Goal 4 exception area. The exception areas with AF-10 and AF-5 lands adopted by Washington County in 1983 and acknowledged by LCDC in 1984, clearly contemplated that most AF-10 land would be converted to AF-5 over time. Only those AF-10 lands that have steep topographic characteristics and limited public facilities and services may not be suitable for the AF-5 designation.

II. Compliance with the intent of the requested land use district; and,

Applicant: See pages 4 and 5 of the application.

Staff: See Section E. of this report.

III. Are in conformance with the applicable policies and strategies of the following Sections of the Plan: Natural and Cultural Setting, Public Facilities and Services, Rural Transportation, and Rural Development; or

Applicant: See page 5 of the application.

Staff: As noted earlier in this report, applicable policies and strategies regarding transportation are addressed in Attachment A.

These findings also pertain to Statewide Planning Goal 2, Land Use Planning.

2. Policy 2, Citizen Involvement, states:

It is the policy of Washington County to encourage citizen participation in all phases of the planning process and to provide opportunities for continuing involvement and effective communication between citizens and their county government.

Applicant: See pages 5 and 6 of the application.

Staff: A quasi-judicial plan amendment must be considered through a Type III (public hearing) review procedure. In accordance with Section 204-4 of the Community Development Code (CDC), notice of the Planning Commission's public hearing on this application was sent to all property owners within 1,000 feet of the subject property. This notice was sent at least 20 days prior to the first hearing (mailed October 17, 2007). The county also placed a legal notice of the hearing in a newspaper of general circulation (*The Hillsboro Argus*) at least ten days prior to the first hearing date (published October 26, 2007). As required by CDC Section 204-1.4, the applicant posted a sign (posted August 21, 2006) on the subject property within 21 days of acceptance of the application (accepted August 17, 2006).

A copy of the plan amendment application was mailed to the representative for the local Citizen Participation Organization (CPO 10). Finally, the staff report was available to all interested parties seven days prior to the hearing as required by Code Section 203-6.2. Staff finds these efforts satisfy the requirements of Policy 2.

These findings for Policy 2 also pertain to Statewide Planning Goal 1, Citizen Involvement.

3. Policy 6, Water Resources, states:

It is the policy of Washington County to maintain or improve surface and ground water quality and quantity.

Applicant: See pages 6 - 10 of the application.

Staff: In the case of plan amendments, staff interprets Policy 6 to mean that, over time, development activities in Washington County should not negatively affect the quantity or quality of surface water or groundwater. The thrust of the policy is to assure that development will have a positive or neutral effect over an extended period of time, rather than being concerned with what quantity or quality of water is present at a particular point in time. Therefore, evidence of consistency with this policy should include, if possible, assessments of groundwater quantity and quality reflected over a period of time.

The only readily available evidence relating to groundwater conditions in specific areas are contained in water well reports (well logs) filed with the regional Watermaster's Office by well drillers at the time they drill a well. If enough wells are drilled in an area over an extended period of time, and if some of the well reports are recent, then well reports can be an indicator of any trends concerning the quantity of water being yielded by wells in the area. They do not, however, provide information concerning trends with regard to individual wells.

Policy 6 allows an applicant to use the well reports as evidence of groundwater quantity conditions in the area around a plan amendment site. If, however, opponents of an application allege, based on their experience with the production of their wells, that groundwater quantities in the area are declining, then it is the applicant's responsibility to provide evidence and/or testimony to rebut the opposition's assertion.

Opposition testimony can be rebutted by an applicant in the above-described situation by having an "expert" such as a professional geologist or hydrologist review the well logs and opposition testimony and provide an opinion on the groundwater situation. Expert testimony that draws its findings primarily from evidence in the well reports, however, can be refuted by new evidence beyond that which is contained in the well reports.

Recent measurements of water depth in existing wells are probably the best new evidence that can be used to determine what the present groundwater quantity trend is in a plan amendment area. The present well water depth can be compared to the measured depth at the time the well was drilled to determine how groundwater quantity trends are affecting existing wells.

Applicable Implementing Strategies:

The County will:

a. Strive to ensure adequate water supplies for all uses by:

1. Encouraging water conservation programs by water users and purveyors;

2. Reviewing and revising existing development regulations where necessary or limiting the location or operation of new wells as a condition of development approval, considering advice and/or recommendations received from the State Water Resources Department;

3. Coordinating with State and Federal agencies in evaluating and monitoring ground water supplies; and

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Applicant: See pages 6 - 10 of the application.

Staff: In the case of plan amendments, staff interprets Policy 6 to mean that, over time, development activities in Washington County should not negatively affect the quantity or quality of surface water or groundwater. The thrust of the policy is to assure that development will have a positive or neutral effect over an extended period of time, rather than being concerned with what quantity or quality of water is present at a particular point in time. Therefore, evidence of consistency with this policy should include, if possible, assessments of groundwater quantity and quality reflected over a period of time.

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a. Strive to ensure adequate water supplies for all uses by:

1. *Encouraging water conservation programs by water users and purveyors;*

2. *Reviewing and revising existing development regulations where necessary or limiting the location or operation of new wells as a condition of development approval, considering advice and/or recommendations received from the State Water Resources Department;*

3. *Coordinating with State and Federal agencies in evaluating and monitoring ground water supplies; and*

4. *Complying with the May 17, 1974 Order of the State Engineer establishing and setting forth provisions for the Cooper Mountain-Bull Mountain Critical Ground Water Area.*

5. *Requiring applicants for quasi-judicial Plan Map Amendments to provide well reports (well logs) filed with the Water Master for all Public Lands Survey (township and range system) sections within one-half (1/2) mile of the subject site and provide an analysis of whether ground water quality and quantity within the area will be maintained or improved. The analysis should include well yields, well depth, year drilled or other data as may be required to demonstrate compliance with this policy.*

Applicant: See pages 6 - 10 and the well log data included in the application.

Staff: The primary intent of this implementing strategy is to ensure, to the extent practicable, that ground water supplies are adequate to accommodate new development and that new wells will not seriously interfere with existing wells in the area. Under the AF-5 designation, one additional parcel can be created from the site. Approval of this plan amendment request may result in a new dwelling on the additional parcel.

The subject property is located within the Chehalem Mountain Limited Groundwater area. New wells for domestic use on individual parcels are allowed within the Limited Groundwater Area. There are no restrictions on the creation of new parcels within the limited groundwater area. The property is not located within the Cooper Mountain-Bull Mountain Critical Ground Water Area.

The property is within boundary of the Laurelwood Water District, a private water provider. However, the applicant cannot rely upon the availability of water district service alone to justify a plan amendment to a higher density (*OAR 660-011-0065(2) – Water Service to Rural Lands).* The applicant has conducted well log research and performed a well log analysis to establish that adequate capacity is available for a future additional well, if necessary.

The applicant stated a total of 129 wells of record were present in the study area (within 2S3, Sections 2, 3, 10 & 11). Staff has summarized the 129 well logs (Well Table Summary below).

Well Table Summary for 2S3 By Section & Year							
Section	**Time Period**	**Number of Wells**	**Average Depth**	**Average Static Level**	**Average Yield in GPM**	**Purpose New**	**Deepen**
2	To 1969	1	230	150	20	1	0
	1970 - 1979	18	263	159	25	18	0
	1980 - 1989	17	336	192	26	15	2
	1990 - 1999	7	387	200	43	6	1
	2000 - Present	4	372.5	246	39	4	0
3	To 1969	2	239	92	9	2	0
	1970 - 1979	3	310	205	11	3	0
	1980 - 1989	2	577.5	405	16	2	0
	1990 - 1999	1	560	356	50	1	0
	2000 - Present	3	493	335	41	3	0
10	To 1969	4	279	143	8	4	0
	1970 - 1979	11	390	212	27	11	0
	1980 - 1989	5	338	141	25	5	0
	1990 - 1999	7	484	242	20	6	1
	2000 - Present	1	550	336	30	0	1
11	To 1969	5	302	244	14	5	0
	1970 - 1979	17	295	161	72	16	1
	1980 - 1989	6	300	172	22	6	0
	1990 - 1999	14	436	230.5	30	11	3
	2000 - Present	1	646	251	30	0	1

According to the applicant, well depths range from 10 feet to 734 feet. The average depth of all wells within Sections 2, 3, 10 and 11 of Tax Map 2S3 is 353 feet. There has been a decrease in average static water level in the area since the 1960s, however average static water levels decreased to a lesser extent during the 1970s and 1980s. Of the 129 well logs analyzed, only 10 (less than 1 percent) were for the purpose of drilling an existing well deeper. None of the 10 deepened wells were located in the same quarter section as the subject property.

Through the well log research and analysis, the applicant has demonstrated that ground water supplies are adequate to accommodate new development and that new wells will not seriously interfere with existing wells in the area. In summary, although county staff are not groundwater experts, we find that unless additional information from surrounding property owners about ground water problems, the applicant has submitted sufficient evidence to conclude that groundwater supplies are stable in the area.

b. Ensure adequate quality of surface water and groundwater by:

1. *Promoting compliance with Department of Environmental Quality water quality standards;*

2. *Cooperation with the Soil and Water Conservation District in the implementation of effective methods of controlling non-point sources of water pollution in agricultural areas;*

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b. Ensure adequate quality of surface water and groundwater by:

1. Promoting compliance with Department of Environmental Quality water quality standards;

2. Cooperation with the Soil and Water Conservation District in the implementation of effective methods of controlling non-point sources of water pollution in agricultural areas;

3. *Cooperating with the Oregon State Department of Forestry in the implementation of effective methods of controlling non-point sources of water pollution in forest areas; and*

4. *Ensuring that the establishment of subsurface sewage disposal systems (e.g., septic tanks) will not adversely affect ground water quality;*

Applicant: See pages 8 and 9 of the application.

Staff: Prior to the issuance of a building permit for any new dwelling, the county Health Department must approve the installation of a septic system for the dwelling. A septic system permit will not be issued if soils are not adequate to filter and clean wastewater. The standards for such permits comply with DEQ requirements, which are designed to ensure adequate quality of groundwater. Any grading activities (e.g., a driveway) must comply with CDC Sections 410 (Grading and Drainage) and 426 (Erosion Control). Compliance with these standards ensures adequate quality of surface water. Therefore, this criterion can be satisfied.

c. *Protect and maintain natural stream channels wherever possible, with an emphasis on non-structural controls when modifications are necessary.*

d. *Limit the alteration of natural vegetation in riparian zones and in locations identified as significant water areas and wetlands.*

e. *Encourage property owners with land which qualifies as "designated riparian land" and defined by the 1981 Riparian Habitat Act to apply for exemption of that land from ad valorem taxation.*

Applicant: See page 9 of the application.

Staff: According to the Rural/Natural Resource Plan Significant Natural Resources Map, there are no significant streams or natural areas on the portion of the property subject to this plan amendment request. However, a stream is present near the southern boundary of the subject property. Any development proposed on the subject property within the buffer area of the stream may require a delineation of the resource. Therefore, staff finds these strategies can be satisfied.

f. *Support viable water resource projects which are proposed in the County upon review of their cost benefit analysis, alternatives, and environmental and social impacts.*

Staff: There are no water resource projects proposed in the vicinity of this property.

g. *Coordinate land use actions regarding water projects with agencies and jurisdictions which may be impacted by such projects.*

Staff: There are no water resource projects proposed in the vicinity of this property.

h. *Support measures to conserve vegetation in drainage basin watersheds as a means of controlling the release of water to downstream farm lands and urban areas.*

Staff: The subject property supports agricultural use and one dwelling. The addition of one home site, should the plan amendment be approved, is unlikely to significantly affect adjacent farm lands.

i. *Cooperate with the Division of State Lands, State of Oregon in their review and mitigation of projects that alter water areas and wetlands under their jurisdictions.*

Staff: The subject property does not contain water areas and wetlands recognized by the Division of State Lands.

j. Consistent with the recommendations of the Department of Environmental Quality, State of Oregon, and the Unified Sewerage Agency [now Clean Water Services], support the expansion of stormwater sampling in the Tualatin Basin and consideration of proper planning and management measures for non-point source problems.

Staff: Any subsequent development of the subject property will have to comply with Community Development Code sections that implement the above strategies—Sections 410 (Grading and Drainage) and 426 (Erosion Control). Staff therefore finds this strategy can be satisfied.

These findings for Policy 6 also pertain to Statewide Planning Goals 5, Open Spaces, Scenic and Historic Areas and Natural Resources, and 6, Air, Water and Land Resources Quality.

4. Policy 8, Natural Hazards, states:

It is the policy of Washington County to protect life and property from natural disasters and hazards.

Applicant: See pages 10 and 11 of the application.

Staff: According to the Rural/Natural Resource Plan Significant Natural Resources Map, a stream is located near the southern boundary of the subject property. Any future applications for development within close proximity of the stream will be required to delineate the stream channel and associated riparian vegetation and protect it accordingly. Review of aerial photos of the subject property indicates that there is ample space on the property to construct an additional dwelling outside of any riparian areas. Therefore, this criterion can be satisfied.

5. Policy 10, Fish and Wildlife Habitat, states:

It is the policy of Washington County to protect and enhance Significant Fish and Wildlife Habitat.

Applicable Implementing Strategies:

d. Limit the alteration of natural vegetation in riparian zones, and in locations identified as significant water areas and wetlands thereby preserving fish and wildlife habitat.

Applicant: See page 12 of the application.

Staff: According to the Rural/Natural Resource Plan Significant Natural Resources Map, a stream is located near the southern boundary of the subject property. Any future applications for development within close proximity of the stream will be required to delineate the stream channel and associated riparian vegetation and protect it accordingly. Review of aerial photos of the subject property indicates that there is ample space on the property to construct an additional dwelling outside of any riparian areas. Therefore, this criterion can be satisfied.

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Staff: According to the Rural/Natural Resource Plan Significant Natural Resources Map, a stream is located near the southern boundary of the subject property. Any future applications for development within close proximity of the stream will be required to delineate the stream channel and associated riparian vegetation and protect it accordingly. Review of aerial photos of the subject property indicates that there is ample space on the property to construct an additional dwelling outside of any riparian areas. Therefore, this criterion can be satisfied.

6. Policy 13, Scenic Resources, states:

It is the policy of Washington County to protect and enhance its outstanding scenic views, routes, and features.

Applicable Implementing Strategies:

a. Implement procedures in its Community Development Code whereby development in the Rural and Natural Areas which may conflict with outstanding scenic resources will be reviewed with the intent of mitigating adverse impacts.

Applicant: See page 12 of the application.

Staff: The subject property is located on SW Whitmore Road, which is accessed from SW Bald Peak Road. SW Bald Peak Road is designated as a Scenic Route on Washington County's Rural/Natural Resource Plan. The addition of one dwelling on the subject property should not impact scenic views on or along Bald Peak Road.

7. Policy 14, Plan Designations, states:

It is the policy of Washington County to maintain distinct comprehensive plan map designations for the area outside the County's urban growth boundaries, and to provide land use regulations to implement the designations.

Applicable Implementing Strategies:

c. Designate Rural Lands, for which an LCDC Goal 2 Exception is provided to LCDC Goals 3 (Agriculture) and 4 (Forestry), in the following manner:

2. All lands which were zoned AF-10 by the 1973 Comprehensive Plan will be designated AF-10 unless the criteria for RR-5 can be met.

Applicant: See pages 12 - 14 of the application.

Staff: The subject property is designated AF-10. The Exceptions Statement Document recognized the existing rural residential nature of the property and designated it as AF-10. The property was included in Subarea #131, a collection of 107 parcels (as of 1983) totaling approximately 890 acres, with an average lot size of 8.3 acres. Subarea #131 includes both AF-10 and AF-5 properties.

8. Policy 18, Rural Lands, states:

It is the policy of Washington County to recognize existing development and provide lands which allow rural development in areas which are developed and/or committed to development of a rural character.

Applicable Implementing Strategies:

a. Recognize "Rural Lands" with the following plan map designations:
1. Agriculture and Forestry - 10 (AF-10)
2. Agriculture and Forestry - 5 (AF-5)
3. Rural Residential - 5 (RR-5)

4. *Rural Commercial (R-COM)*
5. *Rural Industrial (R-IND)*
6. *Land Extensive Industrial (MA-E)*

c. *Consider the identification of additional lands for the "Rural Lands" plan map designations through the plan amendment procedures in Policy 1.*

d. *Ensure that proposed development will not adversely affect surrounding agricultural and/or forestry activities by requiring that applicants for residential, commercial or industrial uses on land designated for rural development record a waiver of the right to remonstrate against accepted farm or forestry practices on nearby lands.*

Applicant: See page 14 of the application.

Staff: The applicant has responded to the criteria outlined in Policy 1 (see discussion regarding Policy 1 on pages 4 and 5 of this staff report). Section 348 of the Community Development Code requires the recording of a waiver of remonstrance against accepted farm and forest practices as a condition of development in the AF-5 District. Prior to the issuance of a building permit, property owners are required to record the waiver of remonstrance. Therefore, staff finds the criteria for Policy 18 can be satisfied if the plan amendment is approved.

These findings also pertain to Statewide Planning Goal 2, Land Use Planning

9. Policy 19, Rural Residential Development, states:

It is the policy of Washington County to allow rural housing in rural areas.

Applicable Implementing Strategies

a. *Adopt and implement three separate residential plan designations that will apply to lands which have developed, or are committed to development in a rural character. The three plan designations are:*

   1. *Agricultural and Forest-5 (AF-5)*
   2. *Agricultural and Forest-10 (AF-10)*
   3. *Rural Residential-5 (RR-5)*

   In addition, the Development Code may provide for a Rural Planned Development process and certain overlay districts.

b. *Through the Community Development Code, establish residential land use district regulations which:*

   1. *Contain a minimum lot size appropriate to retain the rural character of the area;*
   2. *Permit as primary uses, residential dwellings and accessory structures, and farm and forest activities; and*
   3. *Contain lot of record provisions.*

c. *Require the filing of a waiver of remonstrance in conjunction with the issuance of a building permit for a residential use which recognizes that the proposed dwelling may be subject to customary and accepted farm and forest practices.*

Applicant: See pages 14 and 15 of the application.

4. *Rural Commercial (R-COM)*
5. *Rural Industrial (R-IND)*
6. *Land Extensive Industrial (MA-E)*

c. *Consider the identification of additional lands for the "Rural Lands" plan map designations through the plan amendment procedures in Policy 1.*

d. *Ensure that proposed development will not adversely affect surrounding agricultural and/or forestry activities by requiring that applicants for residential, commercial or industrial uses on land designated for rural development record a waiver of the right to remonstrate against accepted farm or forestry practices on nearby lands.*

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   1. *Contain a minimum lot size appropriate to retain the rural character of the area;*
   2. *Permit as primary uses, residential dwellings and accessory structures, and farm and forest activities; and*
   3. *Contain lot of record provisions.*

c. *Require the filing of a waiver of remonstrance in conjunction with the issuance of a building permit for a residential use which recognizes that the proposed dwelling may be subject to customary and accepted farm and forest practices.*

Applicant: See pages 14 and 15 of the application.

Staff: The plan amendment request proposes to change the plan designation from AF-10 to AF-5, which is an acknowledged residential plan designation. Prior to the issuance of a building permit, property owners are required to record the waiver of remonstrance. Therefore, staff finds the criteria for Policy 19 can be satisfied if the plan amendment is approved.

10. Policy 22, Public Facilities and Services, states:

It is the policy of Washington County to provide public facilities and service in the Rural/Natural Resource Area in a coordinated manner, at levels which support rural type development, are efficient and cost effective, and help maintain public health and safety.

Applicable Implementing Strategy:

a. *Review the adequacy of the following public services and facilities in conjunction with new development.*

   1. *Schools*

   2. *Fire and Police Protection*

   3. *Water*

Applicant: See pages 15 and 16 and the service provider letters included in the application.

Staff: Copies of statements of service availability from several service providers are included in the applicant's submittal. Service provider letters were provided from the Hillsboro School District, the Washington County Sheriff's Office, Washington County Fire District #2, the Laurelwood Water District and the county's Department of Health and Human Services.

The county is responsible under Implementing Strategy a. of Policy 22 for reviewing the adequacy of public facilities and services in conjunction with new development. The hearings officer for LCDC found in the 1988 Enforcement Order proceedings that *"(T)he County must have evidence in the record showing that the service provider is accurate in its assessment."* Staff interprets this to refer to a provider's assessment that an adequate or inadequate level of service can be provided. Without the above-described statements and analyses, staff could not conclude that the affected service providers in the area can provide an adequate level of service to the subject property if the proposed plan amendment is approved.

The application includes a service analysis for the school district, describing school locations, current enrollment and available capacity. Information from the Hillsboro School District shows the subject property is located within the following school attendance areas: Farmington View Elementary School, J.B. Thomas Middle School and Hillsboro High School. The school district indicates there is sufficient enrollment capacity in all three schools.

The service provider letter submitted by the Washington County Sheriff's Office indicated that service levels are adequate to serve an additional dwelling on the subject property. The service level is adequate for emergency calls only, which is consistent with the level of service provided to all rural areas.

The application included a service analysis for fire service from Washington County Fire District #2. According to the fire district, the nearest fire station is located approximately 5 miles from the subject property and would likely experience a response time of ten minutes or more. Available

personnel and equipment includes two paid and 25 volunteer firefighters, three engines and one water tender. The district indicated that the addition of one dwelling on the subject property would cause very little impact to service provision in the area.

Laurelwood Water District, a private water supplier, provides water to the site. The district indicated its service level is adequate to serve an additional dwelling on the subject property.

The county's Health and Human Services Department provided a letter indicating that currently, only one septic system approval has been granted to the subject property. An additional approval for a septic system to serve a second dwelling would have to be obtained during the development phase.

Based on the above-described service statements and analyses, staff finds that the affected service providers in the area can provide an adequate level of service to the subject property if the proposed plan amendment is approved. Staff finds this request complies with Policy 22.

These findings for Policy 22 also pertain to Statewide Planning Goal 11.

11. Policy 23, Transportation, states:

It is the policy of Washington County to regulate the existing transportation system and to provide for the future transportation needs of the County through the development of a Transportation Plan as an Element of the Comprehensive Plan.

Applicant: See pages 16 - 26 of the application.

Staff: See Attachment A, the Transportation Staff Report for this plan amendment.

D. Washington County Transportation Plan

Applicant: See pages 16 - 26 of the application.

Staff: Attachment A contains discussions of whether the plan amendment complies with the county's Transportation Plan and the State's Transportation Planning Rule. Based on the applicant's written materials and the findings in Attachment A, staff concludes that this proposed plan amendment will not "significantly affect" a transportation facility as defined in OAR 660-012-0060. Staff finds the plan amendment is consistent with the Transportation Planning Rule and the Transportation Plan.

These findings also pertain to Statewide Planning Goals 11, Public Facilities and Services and 12, Transportation.

E. Washington County Community Development Code

1. Article III, Land Use Districts:

Section 346 Agriculture and Forest District (AF-10)

346-1 Intent and Purpose

personnel and equipment includes two paid and 25 volunteer firefighters, three engines and one water tender. The district indicated that the addition of one dwelling on the subject property would cause very little impact to service provision in the area.

Laurelwood Water District, a private water supplier, provides water to the site. The district indicated its service level is adequate to serve an additional dwelling on the subject property.

The county's Health and Human Services Department provided a letter indicating that currently, only one septic system approval has been granted to the subject property. An additional approval for a septic system to serve a second dwelling would have to be obtained during the development phase.

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Applicant: See pages 16 - 26 of the application.

Staff: See Attachment A, the Transportation Staff Report for this plan amendment.

D. Washington County Transportation Plan

Applicant: See pages 16 - 26 of the application.

Staff: Attachment A contains discussions of whether the plan amendment complies with the county's Transportation Plan and the State's Transportation Planning Rule. Based on the applicant's written materials and the findings in Attachment A, staff concludes that this proposed plan amendment will not "significantly affect" a transportation facility as defined in OAR 660-012-0060. Staff finds the plan amendment is consistent with the Transportation Planning Rule and the Transportation Plan.

These findings also pertain to Statewide Planning Goals 11, Public Facilities and Services and 12, Transportation.

E. Washington County Community Development Code

1. Article III, Land Use Districts:

Section 346 Agriculture and Forest District (AF-10)

346-1 Intent and Purpose

The AF-10 District is intended to retain an area's rural character and conserve the natural resources while providing for rural residential use in areas so designated by the Comprehensive Plan.

The purpose of this agricultural and forestry district is to promote agricultural and forest uses on small parcels in the rural area, while recognizing the need to retain the character and economic viability of agricultural and forest lands, as well as recognizing that existing parcelization and diverse ownerships and uses exist within the farm and forest area. Residents of rural residential tracts shall recognize that they will be subject to normal and accepted farming and forestry practices.

This District is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services.

Section 348 Agriculture and Forest District (AF-5)

348-1 Intent and Purpose

The AF-5 District is intended to retain an area's rural character and conserve the natural resources while providing for rural residential use in areas so designated by the Comprehensive Plan.

The purpose of this agricultural and forestry district is to promote agricultural and forest uses on small parcels in the rural area, while recognizing the need to retain the character and economic viability of agricultural and forest lands, as well as recognizing that existing parcelization and diverse ownerships and uses exist within the farm and forest area. Residents of rural residential tracts shall recognize that they will be subject to normal and accepted farming and forestry practices.

Applicant: See pages 26 -28 of the application.

Staff: According to the intent and purpose sections for the AF-10 and AF-5 Districts, the only difference between the two districts is that the AF-10 designation was typically applied on "rural lands with steep topographic characteristics where there are limited public facilities and services". The subject property features slopes of between 3 to 20% and has access to a full range of public facilities and services. Staff finds that the request meets the intent and purpose of the AF-5 District.

These findings for the Community Development Code also pertain to Statewide Planning Goal 3.

IV. SUMMARY AND CONCLUSIONS

Evidence and analysis provided by the applicant and this staff report adequately demonstrate that the subject property meets the intent of the AF-5 District in terms of topography and adequacy of public facilities and services. The proposed plan amendment is also consistent with the Transportation Planning Rule and the applicable policies of the 2020 Transportation Plan. Evidence and analysis also demonstrate that the proposed plan amendment is consistent with applicable policies and strategies of the Rural/Natural Resource Plan, *except for Policy 1*. Policy 1 states that an applicant must demonstrate compliance with all applicable state goals, statutes and rules. DLCD's letter regarding the final order on the applicant's State Measure 37 claim states that the waiver only waives Goal 14 and OAR 660-004-0040 to allow division of the subject property; it does not waive these regulations with regard to plan amendments. Therefore, staff finds that the request does not comply with Policy 1 and must be **denied**.

V. RECOMMENDATION

Based on staff's findings in Section III of this report and the attached documents, staff recommends **DENIAL** of the application because it is not in conformance with OAR 660-004-0040 and Policy 1 of the Rural/Natural Resource Plan.

ATTACHMENTS:

Attachment A Transportation Staff Report
Attachment B State of Oregon Final Order and Staff Report on the Rodriguez Measure 37 Claim
Attachment C Letter from the Dept. of Land Conservation and Development, dated October 17, 2006

IV. SUMMARY AND CONCLUSIONS

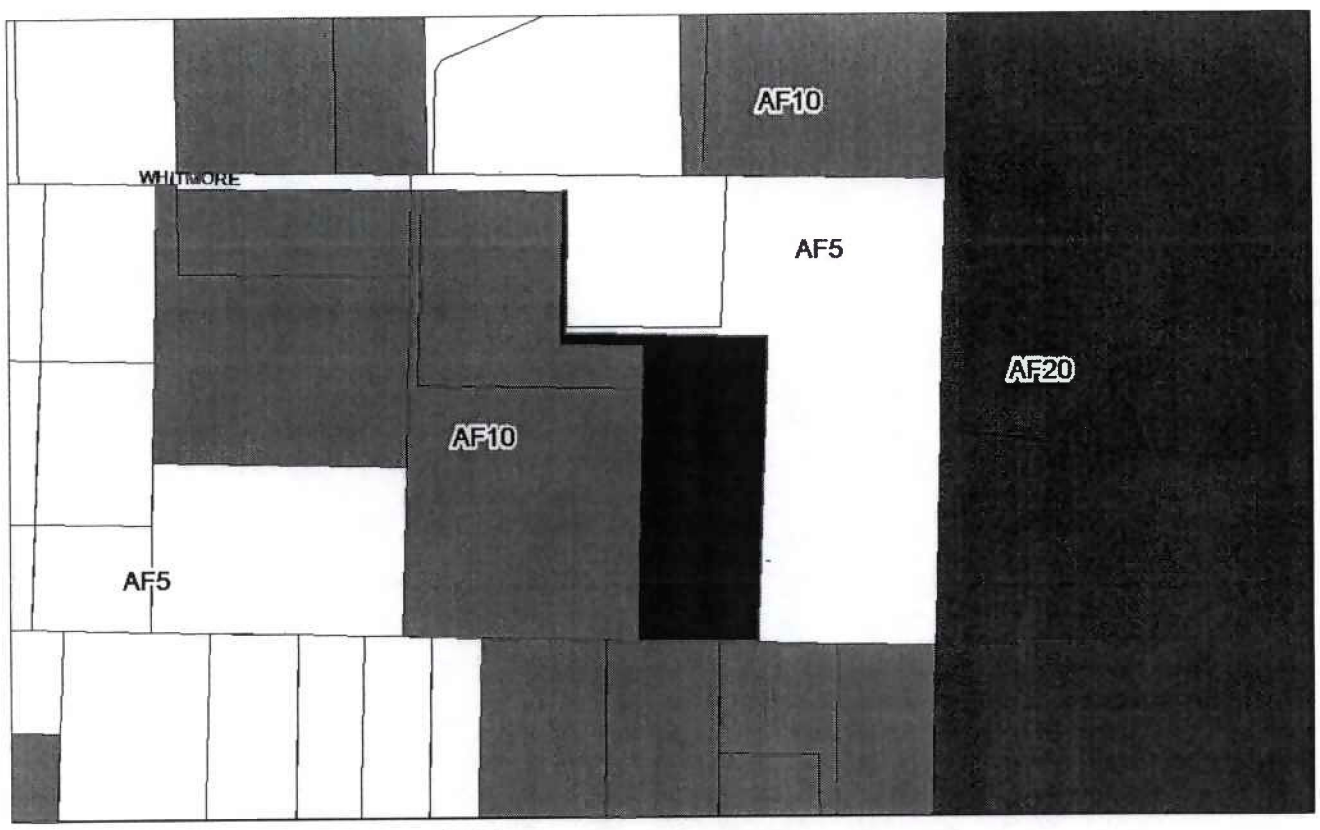
Evidence and analysis provided by the applicant and this staff report adequately demonstrate that the subject property meets the intent of the AF-5 District in terms of topography and adequacy of public facilities and services. The proposed plan amendment is also consistent with the Transportation Planning Rule and the applicable policies of the 2020 Transportation Plan. Evidence and analysis also demonstrate that the proposed plan amendment is consistent with applicable policies and strategies of the Rural/Natural Resource Plan, *except for Policy 1*. Policy 1 states that an applicant must demonstrate compliance with all applicable state goals, statutes and rules. DLCD's letter regarding the final order on the applicant's State Measure 37 claim states that the waiver only waives Goal 14 and OAR 660-004-0040 to allow division of the subject property; it does not waive these regulations with regard to plan amendments. Therefore, staff finds that the request does not comply with Policy 1 and must be **denied**.

V. RECOMMENDATION

Based on staff's findings in Section III of this report and the attached documents, staff recommends **DENIAL** of the application because it is not in conformance with OAR 660-004-0040 and Policy 1 of the Rural/Natural Resource Plan.

ATTACHMENTS:

Attachment A Transportation Staff Report
Attachment B State of Oregon Final Order and Staff Report on the Rodriguez Measure 37 Claim
Attachment C Letter from the Dept. of Land Conservation and Development, dated October 17, 2006



Area of Interest

AF10
AF20
AF5
Land Use Designations

N

600 Feet

ATTACHMENT A

October 31, 2007

TRANSPORTATION REPORT
FOR
CASEFILE NO. 06-389-PA

Applicant: Joseph & Barbara Rodriguez

Location: Off SW Whitmore Road, north of SW Bald Peak Road

Tax Map/Lot: 2S3 03, tax lot 807

Site Size: 10.17 acres

Staff has reviewed this request for compliance with the applicable Washington County 2020 Transportation Plan policies and rules. The following findings and recommendations are limited to addressing this plan amendment proposal's consistency with applicable transportation planning requirements.

FINDINGS

A. General:

1. This proposal would re-designate tax lot 807, map 2S3 03 (approximately 10.17 acres), from AF-10 (Agriculture/Forest) to AF-5 (Agriculture/Forest). The AF-10 plan designation provides for a 10 acre minimum parcel size while the AF-5 allows a five acre minimum for new parcels. If approved, the proposed plan amendment would allow the creation of one additional parcel, which would be eligible for a single family dwelling, from the subject 10.17 acres.

2. The subject property currently supports a single family dwelling. The site is accessed from SW Whitmore Road, a rural local road. No changes in access or site development are proposed at this time; the current action is limited to the proposed plan designation change described in 1., above.

3. The following standards are applicable to this request and are addressed in this staff report:

   a. OAR 660, Division 12, Oregon Transportation Planning Rule:
   Section 060 - Plan and Land Use Regulation Amendments

   b. Washington County Comprehensive Framework Plan For the Urban Area:
   Policy 1.f – Criteria for Plan Amendment Approval

   c. Washington County 2020 Transportation Plan Policies:
   1.0 Travel Needs Policy
   2.0 System Safety Policy
   4.0 System Funding Policy
   5.0 System Implementation and Plan Management Policy
   6.0 Roadway System Policy
   10.0 Functional Classification Policy
   19.0 Transportation Planning Coordination and Public Involvement Policy

B. Oregon Transportation Planning Rule

1. The Oregon Transportation Planning Rule, OAR 660-012-0060, requires an analysis of the impact of a proposed plan amendment on the planned transportation system to determine whether the proposal will 'significantly affect' the planned transportation system in the area. Pursuant to the OAR, the proposed plan amendment would 'significantly affect' the transportation system if it does any of the following:

   - Change the functional classification of an existing or planned transportation facility (exclusive of correction of map errors in an adopted plan);
   - Change standards implementing a functional classification system; or
   - As measured at the end of the planning period identified in the adopted transportation system plan:

     Allow land uses or levels of development that would result in types or levels of travel or access that are inconsistent with the functional classification of an existing or planned transportation facility;

     Reduce the performance of an existing or planned transportation facility below the minimum acceptable performance standard identified in the TSP or comprehensive plan; or

     Worsen the performance of an existing or planned transportation facility that is otherwise projected to perform below the minimum acceptable performance standard identified in the TSP or comprehensive plan.

3. Considering the criteria above, in order to determine if a plan amendment will result in a 'significant impact' on transportation facilities, the County generally requires a comparative analysis of a 'reasonable worst-case development' of a site under current and proposed land use designations. A 'reasonable worst case' development would be one with the greatest potential trip generation based on a reasonable build-out of the site.

4. In this instance, potential development of the site is limited to one additional parcel, which would be eligible for a single family dwelling if the plan amendment is approved. Based on the trip generation estimates provided by the Institute of Transportation Engineers (ITE), one additional single family dwelling would generate approximately 10 average daily trips from the subject property. Considering the lack of any identified capacity problems on the surrounding roadway network, staff concludes that there will be no significant impact from the trips that would be generated by an additional single additional dwelling unit that could be established under the proposed AF-5 plan designation. These additional trips, even when added to existing traffic volumes, are consistent with traffic levels that are expected considering the existing functional classifications of the surrounding road network. The plan amendment also will not affect the standards implementing the adopted functional classification system of the 2020 Transportation Plan. The proposal is therefore consistent with the requirements of Section -0060 of the Oregon Transportation Planning Rule.

C. Washington County Comprehensive Framework Plan For The Urban Area

1. This plan amendment request is subject to Policy 1.f. from the County's Comprehensive Framework Plan (CFP). This policy states the following:

> **A quasi-judicial plan amendment to the Community Plan Maps, including the implementing tax maps, shall be granted only if the Review Authority determines that the proponent has demonstrated that the proposed designation conforms to the locational criteria of the Comprehensive Framework Plan, the Community Plan Overview and the sub-area description and design elements, complies with the regional plan, *and demonstrates that the potential service impacts of the designation will not impact the built or planned service delivery system in the community. This is a generalized analysis that is no way precludes full application of the Growth Management Policies to development permits as provided in the Code.***

As it pertains to transportation, this policy requires the County to analyze the existing transportation system as well as the planned system. Since there will be no significant impact to the surrounding transportation network as a result of the proposed plan amendment, the plan amendment is consistent with Policy 1.f. with regard to transportation.

D. Washington County 2020 Transportation Plan

The proposed plan amendment is subject to 10 policies from the County's 2020 Transportation Plan, which are listed and addressed below.

1.0 TRAVEL NEEDS POLICY
IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE A MULTI-MODAL TRANSPORTATION SYSTEM THAT ACCOMMODATES THE DIVERSE TRAVEL NEEDS OF WASHINGTON COUNTY RESIDENTS AND BUSINESSES.

STAFF: The proposed plan amendment is not anticipated to have a significant detrimental impact on the capacity or level of service on transportation facilities. The potential trip generation will not cause performance on nearby roadways or at nearby intersections to fall below county standard over the planning horizon and there are no identified capacity problems on the surrounding rural roadway network. The proposal therefore does not conflict with Policy 1.0.

2.0 SYSTEM SAFETY POLICY
IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE A TRANSPORTATION SYSTEM THAT IS SAFE.

STAFF: Any traffic safety impacts associated with future development or redevelopment on the subject property will be subject to the traffic safety regulations set forth in the Community Development Code and Resolution and Order 86-95 which implement Policy 2.0.

4.0 SYSTEM FUNDING POLICY
IT IS THE POLICY OF WASHINGTON COUNTY TO AGGRESSIVELY SEEK ADEQUATE AND RELIABLE FUNDING FOR TRANSPORTATION FACILITIES AND SERVICES, AND TO ENSURE THAT FUNDING IS EQUITABLY RAISED AND ALLOCATED.

STAFF: No detrimental impacts to system capacity are anticipated as a result of the proposed plan amendment because the potential increase in trip generation is consistent with existing functional classifications and is not significant. Any future development or redevelopment on the site will require payment of the appropriate Traffic Impact Fee toward future capacity improvements. Payment of the Traffic Impact Fee is consistent with the strategies included under Policy 4.0.

5.0 SYSTEM IMPLEMENTATION AND MANAGEMENT POLICY

IT IS THE POLICY OF WASHINGTON COUNTY TO EFFICIENTLY IMPLEMENT THE TRANSPORTATION PLAN AND TO EFFICIENTLY MANAGE THE TRANSPORTATION SYSTEM

STAFF: Significant impacts on capacity or roadway safety are not anticipated under the proposed plan designation due to the relatively minor increase in trips. The proposal is therefore consistent with Policy 5.0.

6.0 ROADWAY SYSTEM POLICY

IT IS THE POLICY OF WASHINGTON COUNTY TO ENSURE THAT THE ROADWAY SYSTEM IS DESIGNED IN A MANNER THAT ACCOMMODATES THE DIVERSE TRAVEL NEEDS OF ALL USERS OF THE TRANSPORTATION SYSTEM.

STAFF: The proposed plan amendment will not result in significant increases in trips or travel demand and will not degrade the planned motor vehicle performance measures set forth in the strategies for implementation of Policy 6.0. The proposal is therefore consistent with Policy 6.0.

10.0 FUNCTIONAL CLASSIFICATION POLICY

IT IS THE POLICY OF WASHINGTON COUNTY TO ENSURE THE ROADWAY SYSTEM IS DESIGNED AND OPERATES EFFICIENTLY THROUGH USE OF A ROADWAY FUNCTIONAL CLASSIFICATION SYSTEM.

STAFF: The proposal will not result in significant changes in traffic volumes on the affected roadways and no changes to the adopted functional classifications are necessary. Any new access or changes in access, neither of which are associated with this request, are required to comply with the applicable access requirements found in CDC Article V; such compliance ensures that the functional integrity and roadway safety are maintained.

19.0 TRANSPORTATION PLANNING COORDINATION AND PUBLIC INVOLVEMENT POLICY

IT IS THE POLICY OF WASHINGTON COUNTY TO COORDINATE ITS TRANSPORTATION PLANNING WITH LOCAL, REGIONAL, STATE AND FEDERAL AGENCIES AND TO PROVIDE OPPORTUNITIES FOR CITIZENS TO PARTICIPATE IN PLANNING PROCESSES.

STAFF: Policy 19 provides that all plan amendments be reviewed for consistency with the applicable provisions of the Transportation Planning Rule (OAR 660-012-0060). This request has been reviewed and determined to be consistent with the applicable provisions of the Transportation Planning Rule (see findings in Section B., above). It is therefore consistent with Policy 19.0.

CONCLUSION

Based on the findings in this report, staff concludes that this plan amendment proposal will not "significantly affect" a transportation facility as defined in OAR 660, Division 12.

Under the proposed plan designation, the increase in trips on nearby roadways will not be significant and nearby roadway links and intersections will continue to function within county performance standards. The proposal is consistent with all of the applicable Washington County Comprehensive Framework Plan and 2020 Transportation Plan policies as discussed in Sections C. and D. of this report.

ATTACHMENT B

Oregon
Theodore R. Kulongoski, Governor

Department of Land Conservation and Development
635 Capitol Street NE, Suite 150
Salem, Oregon 97301-2524
Phone: (503) 373-0050
First Floor/Costal Fax: (503) 378-6033
Second Floor/Director's Office: (503) 378-5518
Web Address: http://www.oregon.gov/LCD

April 20, 2006

Joseph and Barbara Rodriguez
13200 SW Whitmore Road
Hillsboro, OR 97123

Re: Ballot Measure 37 (ORS 197.352) Claim Number M118582

Claimants: Joseph and Barbara Rodriguez

Dear Mr. and Ms. Rodriguez:

Enclosed, in regard to the above-referenced claim for compensation under Ballot Measure 37 (ORS 197.352), is the Final Staff Report and Recommendation of the Department of Land Conservation and Development, and the Final Order.

This Final Staff Report and Recommendation and the Final Order constitute the final decision on this claim. No further action will be taken on this matter.

Thank you for your courtesies.

Yours very truly,

LANE SHETTERLY
Director

Enclosure

lps:/sw/m118582rodrigue:042006

BEFORE THE DEPARTMENT OF ADMINISTRATIVE SERVICES,
THE DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT OF
THE STATE OF OREGON

IN THE MATTER OF THE CLAIM FOR	)	FINAL ORDER
COMPENSATION UNDER ORS 197.352	)	CLAIM NO. M118582
(BALLOT MEASURE 37) OF	)	
Joseph and Barbara Rodriguez, CLAIMANTS	)	

Claimants: Joseph and Barbara Rodriguez (the Claimants)

Property: Township 2S, Range 3W, Section 3, Tax lot 00807, Washington County (the Property)

Claim: The demand for compensation and any supporting information received from the Claimants by the State of Oregon (the Claim).

Claimants submitted the Claim to the State of Oregon under ORS 197.352. Under OAR 125-145-0010 *et seq.*, the Department of Administrative Services (DAS) referred the Claim to the Department of Land Conservation and Development (DLCD) as the regulating entity. This order is based on the record herein, including the Findings and Conclusions set forth in the Final Staff Report and Recommendation of DLCD (the DLCD Report) attached to and by this reference incorporated into this order.

ORDER

The Claim is approved as to laws administered by DLCD and the Land Conservation and Development Commission (LCDC) for the reasons set forth in the DLCD Report, and subject to the following terms:

1. In lieu of compensation under ORS 197.352, the State of Oregon will not apply the following laws to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981. These land use regulations will not apply to the claimants' division of the subject property only to the extent necessary to allow them to use the property as described in this report, and only to the extent that the use was permitted when they acquired the property on April 9, 1981.

2. The action by the State of Oregon provides the state's authorization to the claimants to use the property subject to the standards in effect on April 9, 1981. On that date, the property was subject to applicable provisions Goal 14, in effect at that time.

3. To the extent that any law, order, deed, agreement or other legally enforceable public or private requirement provides that the subject property may not be used without a permit, license or other form of authorization or consent, the order will not authorize the use of the property

unless the claimants first obtain that permit, license or other form of authorization or consent. Such requirements may include, but are not limited to: a building permit, a land use decision, a "permit" as defined in ORS 215.402 or 227.160, other permits or authorizations from local, state or federal agencies and restrictions on the use of the property imposed by private parties.

4. Any use of the property by the claimants under the terms of the order will remain subject to the following laws: (a) those laws not specified in Condition 1 above; (b) any laws enacted or enforced by a public entity other than the Commission or the department; and (c) those laws not subject to ORS 197.352 including, without limitation, those laws exempted under ORS 197.352(3).

5. Without limiting the generality of the foregoing terms and conditions, in order for the claimants to use the subject property, it may be necessary for them to obtain a decision under ORS 197.352 from a city and/or county and/or metropolitan service district that enforces land use regulations applicable to the property. Nothing in this order relieves the claimants from the necessity of obtaining a decision under ORS 197.352 from a local public entity that has jurisdiction to enforce a land use regulation applicable to a use of the property by the claimants.

This Order is entered by the Director of the DLCD as a final order of DLCD and the Land Conservation and Development Commission under ORS 197.352, OAR 660-002-0010(8), and OAR 125, division 145, and by the Deputy Administrator for the State Services Division of the DAS as a final order of DAS under ORS 197.352, OAR 125, division 145, and ORS 293.

FOR DLCD AND THE LAND CONSERVATION AND DEVELOPMENT COMMISSION:

Lane Shetterly, Director
DLCD
Dated this 20th day of April, 2006.

FOR the DEPARTMENT OF ADMINISTRATIVE SERVICES:

Dugan Petty, Deputy Administrator
DAS, State Services Division
Dated this 20th day of April, 2006.

NOTICE OF RIGHT TO APPEAL OR OTHER JUDICIAL RELIEF

You are entitled, or may be entitled, to judicial remedies including the following:

1. Judicial review under ORS 183.484: Judicial review under ORS 183.484 may be obtained by filing a petition for review within 60 days from the service of this order. A petition for judicial review under ORS 183.484 may be filed in the Circuit Court for Marion County or the Circuit Court in the county in which you reside.

2. A cause of action under ORS 197.352 (Measure 37 (2004)): If a land use regulation continues to apply to the subject property more than 180 days after the present owner of the property has made written demand for compensation under ORS 197.352[1], the present owner of the property, or any interest therein, shall have a cause of action in the circuit court in which the real property is located.

(Copies of the documents that comprise the record are available for review at the Department's office at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301-2540)

FOR INFORMATION ONLY

The Oregon Department of Justice has advised the Department of Land Conservation and Development that "[i]f the current owner of the real property conveys the property before the new use allowed by the public entity is established, then the entitlement to relief will be lost."

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[1] By order of the Marion County Circuit Court, "all time lines under Measure 37 [were] suspended indefinitely" on October 25, 2005. This suspension was lifted on March 13, 2006 by the court. As a result, a period of 139 days (the number of days the time lines were suspended) has been added to the 180-day time period under ORS 197.352(6) for claims that were pending with the state on October 25, 2005.

ORS 197.352 (BALLOT MEASURE 37) CLAIM FOR COMPENSATION

OREGON DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT
Final Staff Report and Recommendation

April 20, 2006

STATE CLAIM NUMBER:	M118582
NAMES OF CLAIMANTS:	Joseph and Barbara Rodriguez
MAILING ADDRESS:	13200 Southwest Whitmore Road Hillsboro, Oregon 97123
PROPERTY IDENTIFICATION:	Township 2S, Range 3W, Section 3 Tax lot 00807 Washington County
DATE RECEIVED BY DAS:	June 10, 2005
180-DAY DEADLINE:	April 25, 2006[1]

I. SUMMARY OF CLAIM

The claimants, Joseph and Barbara Rodriguez, seek compensation in the amount of approximately $300,000 for the reduction in fair market value as a result of land use regulations that are alleged to restrict the use of certain private real property. The claimants desire compensation or the right to divide the 10.17-acre property into two parcels for residential development. The subject property is located at 13200 SW Whitmore Road in Washington County. (See claim.)

II. SUMMARY OF STAFF RECOMMENDATION

Based on the findings and conclusions set forth below, the Department of Land Conservation and Development (the department) has determined that the claim is valid. Department staff recommends that, in lieu of compensation, the requirements of the following state laws enforced by the Land Conservation and Development Commission (the Commission) or the department not apply to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: applicable provisions of Statewide Planning Goal 14 (Urbanization) and of Oregon Administrative Rules (OAR) 660-004-0040, adopted after April 9, 1981. These land use regulations will not apply to the claimants only to the extent necessary to allow them to use the property for the use described in this report, and

[1] This date reflects 180 days from the date the claim was submitted, as extended by the 139 days that all timelines under Measure 37 were suspended during the pendency of *MacPherson v. Dept. of Admin. Srvcs.*, 340 Or 117 (2006).

only to the extent that use was permitted when they acquired the property on April 9, 1981. (See the complete recommendation in Section VI of this report.)

III. COMMENTS ON THE CLAIM

Comments Received

On August 25, 2005, pursuant to OAR 125-145-0080, the Oregon Department of Administrative Services (DAS) provided written notice to the owners of surrounding properties. According to DAS, one written comment was received in response to the 10-day notice.

The comment is relevant to whether a state law restricts the claimants' use of the subject property, and whether the restriction of the claimants' use of the subject property reduces the fair market value of the property. The comment has been considered by the department in preparing this report.

IV. TIMELINESS OF CLAIM

Requirement

ORS 197.352(5) requires that a written demand for compensation be made:

1. For claims arising from land use regulations enacted prior to the effective date of Measure 37 (December 2, 2004), within two years of that effective date or the date the public entity applies the land use regulation as an approval criterion to an application submitted by the owner, whichever is later; or

2. For claims arising from land use regulations enacted after the effective date of Measure 37 (December 2, 2004), within two years of the enactment of the land use regulation, or the date the owner of the property submits a land use application in which the land use regulation is an approval criterion, whichever is later.

Findings of Fact

This claim was submitted to DAS on June 10, 2005, for processing under OAR 125, division 145. The claim identifies Washington County's Agriculture and Forest (AF-10) zoning and Goal 14 amendments in 2000 as the basis for the claim. Only laws that were enacted or adopted prior to December 2, 2004, are the basis for this claim.

Conclusions

The claim has been submitted within two years of the effective date of Measure 37 (December 2, 2004), based on land use regulations enacted or adopted prior to December 2, 2004, and is therefore timely filed.

V. ANALYSIS OF CLAIM

1. Ownership

ORS 197.352 provides for payment of compensation or relief from specific laws for "owners" as that term is defined in ORS 197.352. ORS 197.352(11)(C) defines "owner" as "the present owner of the property, or any interest therein."

Findings of Fact

The claimants, Joseph and Barbara Rodriguez, acquired the subject property on April 9, 1981, as reflected by a warranty deed included with the claim. A title report included with the claim and the Washington County Assessor's Office confirm the claimants' current ownership.

Conclusions

The claimants, Joseph and Barbara Rodriguez, are "owners" of the subject property as that term is defined by ORS 197.352(11)(C), as of April 9, 1981.

2. The Laws That are the Basis for This Claim

In order to establish a valid claim, ORS 197.352(1) requires, in part, that a law must restrict the claimants' use of private real property in a manner that reduces the fair market value of the property relative to how the property could have been used at the time the claimants or a family member acquired the property.

Findings of Fact

The claim indicates that the claimants desire to divide the property into two parcels for residential development, which is not expressly allowed following an amendment to Goal 14 adopted in October 2000.

The claim is based generally on Washington County's current AF-10 zone and the applicable provisions of state law that require such zoning. The county's AF-10 zone is a rural residential zone as required by Goal 14, which generally requires that land outside of urban growth boundaries be used for rural uses.

Goal 14 was effective on January 25, 1975, and requires that local comprehensive plans identify and separate urbanizable land from rural land in order to provide for an orderly and efficient transition from rural to urban land use. In 2000, as a result of a 1986 Oregon Supreme Court decision,[2] the Commission amended Goal 14 and adopted OAR 660-004-0040 (Application of Goal 14 to Rural Residential Areas), which was effective on October 4, 2000. The rule states that if a county residential zone in effect on October 4, 2000, specifies a minimum lot size of two acres or more, the area of any new lot or parcel shall equal or exceed the minimum lot size that is already in effect (OAR 660-004-0040(7)(c)). Some

[2] *1000 Friends of Oregon v. LCDC (Curry County)*, 301 Or 447 (1986).

relief from this provision is available for lots or parcels having more than one permanent habitable dwelling pursuant to OAR 660-004-0040(7)(h). The rule also provides that a county's minimum lot size requirement in a rural residential zone shall not be amended to allow a smaller minimum lot size without approval of an exception to Goal 14 (OAR 660-004-0040(6)). Because Washington County's rural residential zone was in effect on October 4, 2000, and requires a minimum lot size of 10 acres, the minimum lot size for any new lot or parcel must equal or exceed 10 acres.

The claimants acquired the property after the adoption of the statewide planning goals, but before the Commission acknowledged Washington County's land use regulations concerning rural residential lands to be in compliance with statewide planning goals pursuant to ORS 197.250 and 197.251. Because the Commission had not acknowledged the relevant portions of Washington County's plan and land use regulations when the claimants acquired the property in 1981, the statewide planning goals, including Goal 14, applied directly to the claimants' property when they acquired it.[3] As interpreted by the Commission (OAR 660-040-0040), Goal 14 generally required a minimum lot size of at least two acres. The claim does not establish whether or to what extent the claimants' desired level of development would have been permitted under the laws in effect in 1981 when the claimants acquired the property.

Conclusions

The minimum lot size requirements for rural residential lots or parcels established by Goal 14 and OAR 660-004-0040 were adopted after the claimants acquired the subject property in 1981, and do not allow the desired division of the property. However, claim does not establish whether or to what extent the claimants' desired level of development would have been permitted under the laws in effect in 1981 when the claimants acquired the property.

This report addresses only those state laws that are identified in the claim, or that the department is certain apply to the property based on the uses that the claimants have identified. There may be other laws that currently apply to the claimants' use of the property, and that may continue to apply to the claimants' use of the property, that have not been identified in the claim. In some cases, it will not be possible to know which laws apply to a use of property until there is a specific proposal for that use. When the claimants seek a building or development permit to carry out a specific use, it may become evident that other state laws apply to that use.

---

[3] The statewide planning goals became effective on January 25, 1975, and were applicable to legislative land use decisions and some quasi-judicial land use decisions prior to the Commission's acknowledgment of each county's land use regulations. *Perkins v. City of Rajneeshpuram*, 300 Or 1 (1985); *Alexanderson v. Polk County*, 289 Or 427, *rev den* 290 Or 137 (1980); *Sunnyside Neighborhood Assn. v. Clackamas County*, 280 Or 569 (1977); *Jurgenson v. Union County*, 42 Or App 505 (1979); and *1000 Friends of Oregon v. Benton County*, 32 Or App 413 (1978). After the county's plan and land use regulations were acknowledged by the Commission, the statewide planning goals and implementing rules no longer directly applied to such local land use decisions. *Byrd v. Stringer*, 295 Or 311 (1983). However, statutory requirements continue to apply, and insofar as the state and local provisions are materially the same, the local provisions must be interpreted consistent with the substance of the goals and implementing rules. *Foster v. Polk County*, 115 Or App 475 (1992); *Kenagy v. Benton County*, 115 Or App 131 (1992).

3. Effect of Regulations on Fair Market Value

In order to establish a valid claim, ORS 197.352(1) requires that any land use regulation described in Section V.2 of this report must have "the effect of reducing the fair market value of the property, or any interest therein."

Findings of Fact

The claim includes an estimate of $300,000 as the reduction in the property's fair market value due to current regulations. This amount is based on a real estate agent's estimate of the market value of five-acre parcels in the area.

Conclusions

As explained in Section V.1 of this report, the claimants are Joseph and Barbara Rodriguez who acquired the subject property on April 9, 1981. Under ORS 197.352, the claimants are due compensation for land use regulations that restrict the use of the subject property in a manner that reduces its fair market value. Based on the findings and conclusions in Section V.2 of this report, laws adopted since the claimants acquired the property restrict the desired division and development of the subject property. The claimants estimate the reduction in value due to the restrictions to be $300,000.

Without an appraisal or other documentation, and without verification of whether or the extent to which the property could be divided in 1981, it is not possible to substantiate the specific dollar amount the claimants demand for compensation. Nevertheless, based on the submitted information, the department determines that it is more likely than not the fair market value of the subject property has been reduced to some extent as a result of land use regulations enforced by the Commission or the department.

4. Exemptions Under ORS 197.352(3)

ORS 197.352 does not apply to certain land use regulations. In addition, under ORS 197.352(3), certain types of laws are exempt from ORS 197.352.

Findings of Fact

The claim is based on state land use regulations that restrict the use of the claimants' property, including Goal 14 and OAR 660-004-0040, which Washington County has implemented through its AF-10 zone. With the exception of provisions of Goal 14 in effect when the claimants acquired the property on April 9, 1981, these land use regulations were not in effect when the claimants acquired the property.

Conclusions

Without a specific development proposal for the property, it is not possible for the department to determine all the laws that may apply to a particular use of the property, or whether those laws may fall under one or more of the exemptions under ORS 197.352. It appears that the general statutory, goal and rule restrictions on residential development apply to the claimants' use of the property, and these laws are not exempt under ORS 197.352(3)(E) to the extent they were

enacted or adopted after the claimants acquired the property. Provisions of Goal 14 in effect when the claimants acquired the property in 1981 are exempt under ORS 197.352(3)(E) and will continue to apply to the property.

Other laws in effect when the claimants acquired the property are also exempt under ORS 197.352(3)(E) and will continue to apply to the claimants' use of the property. There may be other laws that continue to apply to the claimants' use of the property that have not been identified in the claim. In some cases, it will not be possible to know which laws apply to a use of property until there is a specific proposal for that use. When the claimants seek a building or development permit to carry out a specific use, it may become evident that other state laws apply to that use. In some cases, some of these laws may be exempt under ORS 197.352(3)(A) to (D). This report addresses only those state laws that are identified in the claim, or that the department is certain apply to the property based on the uses that the claimants have identified. Similarly, this report only addresses the exemptions provided for under ORS 197.352(3) that are clearly applicable, given the information provided to the department in the claim. The claimants should be aware that the less information they have provided to the department in the claim, the greater the possibility that there may be additional laws that will later be determined to continue to apply to their use of the property.

VI. FORM OF RELIEF

ORS 197.352(1) provides for payment of compensation to an owner of private real property if the Commission or the department has enforced a law that restricts the use of the property in a manner that reduces its fair market value. In lieu of compensation, the department may choose to not apply the law in order to allow the present owner to carry out a use of the property permitted at the time the current owner acquired the property. The Commission, by rule, has directed that if the department determines a claim is valid, the Director of the department must provide only non-monetary relief unless and until funds are appropriated by the legislature to pay claims.

Findings of Fact

Based on the findings and conclusions set forth in this report, laws enforced by the Commission or the department restrict the claimants' ability to divide the subject 10.17-acre property into two approximately 5-acre parcels for residential development. The claim asserts that the laws enforced by the Commission or the department reduce the fair market value of the subject property by $300,000. However, because the claim does not provide an appraisal or other specific documentation for how the specified restrictions reduce the fair market value of the property, and without verification of the extent to which the claimants' desired use would have been permitted when they acquired the property, a specific amount of compensation cannot be determined. Nevertheless, based on the record for this claim, the department acknowledges that the laws on which the claim is based likely have reduced the fair market value of the property to some extent.

No funds have been appropriated at this time for the payment of claims. In lieu of payment of compensation, ORS 197.352 authorizes the department to modify, remove or not apply all or parts of certain land use regulations to allow Joseph and Barbara Rodriguez to use the subject property for a use permitted at the time they acquired the property on April 9, 1981.

ATTACHMENT C

Oregon

Department of Land Con

Theodore R. Kulongoski, Governor

Phone: (503) 373-0050
First Floor/Coastal Fax: (503) 378-6033
Second Floor/Director's Office Fax: (503) 378-5518
Third Floor/Measure 37 Fax: (503) 378-5318
Web Address: http://www.oregon.gov/LCD

October 17, 2006

By Facsimile (503) 846-4412
& First-Class Mail

Aisha Willits
Senior Planner
Washington County DLUT
155 N. First Avenue
Hillsboro, Oregon 97124-3072

RE: 06-389-PA

Dear Ms. Willits:

The Department of Land Conservation and Development (the "Department") received the notice and request for comments for the above application to redesignate the subject property from AF-10 to AF-5. With respect to Goal 14, this application indicates that the proposed plan amendment is based only on State decision to not apply certain land use regulations previously granted pursuant to ORS 197.352 (Ballot Measure 37). The Department believes the proposed plan amendment must be denied, as it would violate state law, as outlined below. Please consider the following comments and concerns regarding this proposal and include this letter in the record in this matter.

Application of ORS 197.352

Any decision to authorize development or any other action pursuant to a State decision to "not apply" one or more land use regulations under ORS 197.352, must be consistent with the terms of the State's decision.

The Department's order in State claim No. M118582 granted a "waiver" to allow the claimants to divide their 10.17-acre property into two approximately 5-acre parcels, to the extent such action was permitted in 1981. This decision that the provisions of certain state "land use regulations" (namely, Goal 14 and OAR 660-004-0040) adopted after the claimants acquired the property in 1981 will not apply to the claimants' division of the property into two parcels for residential development does not remove the plan and zone designations for the property – it means *only* what it says – that these laws will not apply to the division of the property by the claimant. Furthermore, the State's order does not "waive" Goal 14 even with respect to that use. Rather, it "waives" those provisions of Goal 14 adopted *after* 1981. As a result, the State's order on claim No. M118582 cannot be the basis for a comprehensive plan and zone change. Moreover, the Department has learned that the subject property was zoned AF-10 when the applicant acquired it in 1981. Under this zoning, the applicant's desired use, to create two buildable parcels of approximately five acres each, was not permitted. Therefore, as the waiver entitled the applicant to relief only to the extent permitted in 1981, based on the zoning at that time, the applicant may not partition the property.

The Department's order expressly states that the "applicable provisions of Goal 14 and OAR 660, division 33* * * will not apply to the *claimants* only to the extent necessary to allow *them* to use the subject property for the use described in this report * * *" (*emphasis added*). A copy of this order and final report is enclosed for inclusion in the County's record for this matter.

The proposed plan amendment is based on the assumption that state land use regulations and the County's comprehensive plan and zoning regulations no longer apply to the *property*. ORS 197.352(8) only authorizes relief for the claimants. The proposed action in this application would authorize persons other than Joseph and Barbara Rodriguez to use the property in a manner that is inconsistent with State land use regulations and would authorize other uses of the property not allowed under the Department's order. The *only* use of the property authorized by the state's order is for Joseph and Barbara Rodriguez to divide the property into two approximately 5-acres parcels, to the extent that use was permitted at the time they acquired the property under the provisions of Goal 14 then in effect. The current provisions of Goal 14 and OAR 660, division 33 continue to apply to all other uses by Joseph and Barbara Rodriguez, and to all other uses by any other person of this property, including successors in title to the claimants.

Accordingly, a Measure 37 waiver may not be the basis for a plan or zone change.

Conclusion

The proposed plan amendment is inconsistent with state land use regulations and the terms of the state's order on the claim by Joseph and Barbara Rodriguez (M118582). It is the Department's position that the property must retain its current plan designation and that the County should consider authorization of the use specified in Joseph and Barbara Rodriguez's Measure 37 waiver through issuance of permits consistent with the attached waiver to the extent that the current owners demonstrate that the land division complies with Goal 14.

Please enter this letter and the attachments into the record for this decision and notify us of the County's decision, on the matter any scheduled public hearing and any subsequent land use application or decision regarding this waiver. If you would like to discuss this further, feel free to contact me at (503) 373-0050 ext. 280, or Jeannine Rustad at (503) 373-0050 ext. 279.

Yours very truly,

Cora R Parker for

LANE SHETTERLY
Director

Enclosure

cc: Joseph and Barbara Rodriguez (applicants)
Chris Gilmore, Washington County Counsel (by email)
Richard Whitman, DOJ (by email)
Gary Fish, Regional Representative (by email)

Cora Parker, DLCD (by email)
Michael Morrissey, DLCD (by email)
Jeannine Rustad, DLCD (by email)
Mara Ulloa, DLCD (by email)

I:\Measure 37\Claims\M118500-599\M118582 Rodriguez\Post-waiver\Rodriguez letter 101706jr.final

BEFORE THE DEPARTMENT OF ADMINISTRATIVE SERVICES,
THE DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT OF
THE STATE OF OREGON

IN THE MATTER OF THE CLAIM FOR COMPENSATION UNDER ORS 197.352 (BALLOT MEASURE 37) OF Joseph and Barbara Rodriguez, CLAIMANTS	))))	FINAL ORDER CLAIM NO. M118582

Claimants: Joseph and Barbara Rodriguez (the Claimants)

Property: (the Property) Township 2S, Range 3W, Section 3, Tax lot 00807, Washington County

Claim: The demand for compensation and any supporting information received from the Claimants by the State of Oregon (the Claim).

Claimants submitted the Claim to the State of Oregon under ORS 197.352. Under OAR 125-145-0010 *et seq.*, the Department of Administrative Services (DAS) referred the Claim to the Department of Land Conservation and Development (DLCD) as the regulating entity. This order is based on the record herein, including the Findings and Conclusions set forth in the Final Staff Report and Recommendation of DLCD (the DLCD Report) attached to and by this reference incorporated into this order.

ORDER

The Claim is approved as to laws administered by DLCD and the Land Conservation and Development Commission (LCDC) for the reasons set forth in the DLCD Report, and subject to the following terms:

1. In lieu of compensation under ORS 197.352, the State of Oregon will not apply the following laws to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981. These land use regulations will not apply to the claimants' division of the subject property only to the extent necessary to allow them to use the property as described in this report, and only to the extent that the use was permitted when they acquired the property on April 9, 1981.

2. The action by the State of Oregon provides the state's authorization to the claimants to use the property subject to the standards in effect on April 9, 1981. On that date, the property was subject to applicable provisions Goal 14, in effect at that time.

3. To the extent that any law, order, deed, agreement or other legally enforceable public or private requirement provides that the subject property may not be used without a permit, license or other form of authorization or consent, the order will not authorize the use of the property

unless the claimants first obtain that permit, license or other form of authorization or consent. Such requirements may include, but are not limited to: a building permit, a land use decision, a "permit" as defined in ORS 215.402 or 227.160, other permits or authorizations from local, state or federal agencies and restrictions on the use of the property imposed by private parties.

4. Any use of the property by the claimants under the terms of the order will remain subject to the following laws: (a) those laws not specified in Condition 1 above; (b) any laws enacted or enforced by a public entity other than the Commission or the department; and (c) those laws not subject to ORS 197.352 including, without limitation, those laws exempted under ORS 197.352(3).

5. Without limiting the generality of the foregoing terms and conditions, in order for the claimants to use the subject property, it may be necessary for them to obtain a decision under ORS 197.352 from a city and/or county and/or metropolitan service district that enforces land use regulations applicable to the property. Nothing in this order relieves the claimants from the necessity of obtaining a decision under ORS 197.352 from a local public entity that has jurisdiction to enforce a land use regulation applicable to a use of the property by the claimants.

This Order is entered by the Director of the DLCD as a final order of DLCD and the Land Conservation and Development Commission under ORS 197.352, OAR 660-002-0010(8), and OAR 125, division 145, and by the Deputy Administrator for the State Services Division of the DAS as a final order of DAS under ORS 197.352, OAR 125, division 145, and ORS 293.

FOR DLCD AND THE LAND CONSERVATION AND DEVELOPMENT COMMISSION:

Lane Shetterly, Director
DLCD
Dated this 20th day of April, 2006.

FOR the DEPARTMENT OF ADMINISTRATIVE SERVICES:

Dugan Petty, Deputy Administrator
DAS, State Services Division
Dated this 20th day of April, 2006.

NOTICE OF RIGHT TO APPEAL OR OTHER JUDICIAL RELIEF

You are entitled, or may be entitled, to judicial remedies including the following:

1. Judicial review under ORS 183.484: Judicial review under ORS 183.484 may be obtained by filing a petition for review within 60 days from the service of this order. A petition for judicial review under ORS 183.484 may be filed in the Circuit Court for Marion County or the Circuit Court in the county in which you reside.

2. A cause of action under ORS 197.352 (Measure 37 (2004)): If a land use regulation continues to apply to the subject property more than 180 days after the present owner of the property has made written demand for compensation under ORS 197.352[1], the present owner of the property, or any interest therein, shall have a cause of action in the circuit court in which the real property is located.

(Copies of the documents that comprise the record are available for review at the Department's office at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301-2540)

FOR INFORMATION ONLY

The Oregon Department of Justice has advised the Department of Land Conservation and Development that "[i]f the current owner of the real property conveys the property before the new use allowed by the public entity is established, then the entitlement to relief will be lost."

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[1] By order of the Marion County Circuit Court, "all time lines under Measure 37 [were] suspended indefinitely" on October 25, 2005. This suspension was lifted on March 13, 2006 by the court. As a result, a period of 139 days (the number of days the time lines were suspended) has been added to the 180-day time period under ORS 197.352(6) for claims that were pending with the state on October 25, 2005.

ORS 197.352 (BALLOT MEASURE 37) CLAIM FOR COMPENSATION

OREGON DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT
Final Staff Report and Recommendation

April 20, 2006

STATE CLAIM NUMBER:	M118582
NAMES OF CLAIMANTS:	Joseph and Barbara Rodriguez
MAILING ADDRESS:	13200 Southwest Whitmore Road Hillsboro, Oregon 97123
PROPERTY IDENTIFICATION:	Township 2S, Range 3W, Section 3 Tax lot 00807 Washington County
DATE RECEIVED BY DAS:	June 10, 2005
180-DAY DEADLINE:	April 25, 2006[1]

I. SUMMARY OF CLAIM

The claimants, Joseph and Barbara Rodriguez, seek compensation in the amount of approximately $300,000 for the reduction in fair market value as a result of land use regulations that are alleged to restrict the use of certain private real property. The claimants desire compensation or the right to divide the 10.17-acre property into two parcels for residential development. The subject property is located at 13200 SW Whitmore Road in Washington County. (See claim.)

II. SUMMARY OF STAFF RECOMMENDATION

Based on the findings and conclusions set forth below, the Department of Land Conservation and Development (the department) has determined that the claim is valid. Department staff recommends that, in lieu of compensation, the requirements of the following state laws enforced by the Land Conservation and Development Commission (the Commission) or the department not apply to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: applicable provisions of Statewide Planning Goal 14 (Urbanization) and of Oregon Administrative Rules (OAR) 660-004-0040, adopted after April 9, 1981. These land use regulations will not apply to the claimants only to the extent necessary to allow them to use the property for the use described in this report, and

[1] This date reflects 180 days from the date the claim was submitted, as extended by the 139 days that all timelines under Measure 37 were suspended during the pendency of *MacPherson v. Dept. of Admin. Srvcs.*, 340 Or 117 (2006).

only to the extent that use was permitted when they acquired the property on April 9, 1981. (See the complete recommendation in Section VI of this report.)

III. COMMENTS ON THE CLAIM

Comments Received

On August 25, 2005, pursuant to OAR 125-145-0080, the Oregon Department of Administrative Services (DAS) provided written notice to the owners of surrounding properties. According to DAS, one written comment was received in response to the 10-day notice.

The comment is relevant to whether a state law restricts the claimants' use of the subject property, and whether the restriction of the claimants' use of the subject property reduces the fair market value of the property. The comment has been considered by the department in preparing this report.

IV. TIMELINESS OF CLAIM

Requirement

ORS 197.352(5) requires that a written demand for compensation be made:

1. For claims arising from land use regulations enacted prior to the effective date of Measure 37 (December 2, 2004), within two years of that effective date or the date the public entity applies the land use regulation as an approval criterion to an application submitted by the owner, whichever is later; or

2. For claims arising from land use regulations enacted after the effective date of Measure 37 (December 2, 2004), within two years of the enactment of the land use regulation, or the date the owner of the property submits a land use application in which the land use regulation is an approval criterion, whichever is later.

Findings of Fact

This claim was submitted to DAS on June 10, 2005, for processing under OAR 125, division 145. The claim identifies Washington County's Agriculture and Forest (AF-10) zoning and Goal 14 amendments in 2000 as the basis for the claim. Only laws that were enacted or adopted prior to December 2, 2004, are the basis for this claim.

Conclusions

The claim has been submitted within two years of the effective date of Measure 37 (December 2, 2004), based on land use regulations enacted or adopted prior to December 2, 2004, and is therefore timely filed.

V. ANALYSIS OF CLAIM

1. Ownership

ORS 197.352 provides for payment of compensation or relief from specific laws for "owners" as that term is defined in ORS 197.352. ORS 197.352(11)(C) defines "owner" as "the present owner of the property, or any interest therein."

Findings of Fact

The claimants, Joseph and Barbara Rodriguez, acquired the subject property on April 9, 1981, as reflected by a warranty deed included with the claim. A title report included with the claim and the Washington County Assessor's Office confirm the claimants' current ownership.

Conclusions

The claimants, Joseph and Barbara Rodriguez, are "owners" of the subject property as that term is defined by ORS 197.352(11)(C), as of April 9, 1981.

2. The Laws That are the Basis for This Claim

In order to establish a valid claim, ORS 197.352(1) requires, in part, that a law must restrict the claimants' use of private real property in a manner that reduces the fair market value of the property relative to how the property could have been used at the time the claimants or a family member acquired the property.

Findings of Fact

The claim indicates that the claimants desire to divide the property into two parcels for residential development, which is not expressly allowed following an amendment to Goal 14 adopted in October 2000.

The claim is based generally on Washington County's current AF-10 zone and the applicable provisions of state law that require such zoning. The county's AF-10 zone is a rural residential zone as required by Goal 14, which generally requires that land outside of urban growth boundaries be used for rural uses.

Goal 14 was effective on January 25, 1975, and requires that local comprehensive plans identify and separate urbanizable land from rural land in order to provide for an orderly and efficient transition from rural to urban land use. In 2000, as a result of a 1986 Oregon Supreme Court decision,[2] the Commission amended Goal 14 and adopted OAR 660-004-0040 (Application of Goal 14 to Rural Residential Areas), which was effective on October 4, 2000. The rule states that if a county residential zone in effect on October 4, 2000, specifies a minimum lot size of two acres or more, the area of any new lot or parcel shall equal or exceed the minimum lot size that is already in effect (OAR 660-004-0040(7)(c)). Some

[2] *1000 Friends of Oregon v. LCDC (Curry County)*, 301 Or 447 (1986).

relief from this provision is available for lots or parcels having more than one permanent habitable dwelling pursuant to OAR 660-004-0040(7)(h). The rule also provides that a county's minimum lot size requirement in a rural residential zone shall not be amended to allow a smaller minimum lot size without approval of an exception to Goal 14 (OAR 660-004-0040(6)). Because Washington County's rural residential zone was in effect on October 4, 2000, and requires a minimum lot size of 10 acres, the minimum lot size for any new lot or parcel must equal or exceed 10 acres.

The claimants acquired the property after the adoption of the statewide planning goals, but before the Commission acknowledged Washington County's land use regulations concerning rural residential lands to be in compliance with statewide planning goals pursuant to ORS 197.250 and 197.251. Because the Commission had not acknowledged the relevant portions of Washington County's plan and land use regulations when the claimants acquired the property in 1981, the statewide planning goals, including Goal 14, applied directly to the claimants' property when they acquired it.[3] As interpreted by the Commission (OAR 660-040-0040), Goal 14 generally required a minimum lot size of at least two acres. The claim does not establish whether or to what extent the claimants' desired level of development would have been permitted under the laws in effect in 1981 when the claimants acquired the property.

Conclusions

The minimum lot size requirements for rural residential lots or parcels established by Goal 14 and OAR 660-004-0040 were adopted after the claimants acquired the subject property in 1981, and do not allow the desired division of the property. However, claim does not establish whether or to what extent the claimants' desired level of development would have been permitted under the laws in effect in 1981 when the claimants acquired the property.

This report addresses only those state laws that are identified in the claim, or that the department is certain apply to the property based on the uses that the claimants have identified. There may be other laws that currently apply to the claimants' use of the property, and that may continue to apply to the claimants' use of the property, that have not been identified in the claim. In some cases, it will not be possible to know which laws apply to a use of property until there is a specific proposal for that use. When the claimants seek a building or development permit to carry out a specific use, it may become evident that other state laws apply to that use.

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[3] The statewide planning goals became effective on January 25, 1975, and were applicable to legislative land use decisions and some quasi-judicial land use decisions prior to the Commission's acknowledgment of each county's land use regulations. *Perkins v. City of Rajneeshpuram*, 300 Or 1 (1985); *Alexanderson v. Polk County*, 289 Or 427, *rev den* 290 Or 137 (1980); *Sunnyside Neighborhood Assn. v. Clackamas County*, 280 Or 569 (1977); *Jurgenson v. Union County*, 42 Or App 505 (1979); and *1000 Friends of Oregon v. Benton County*, 32 Or App 413 (1978). After the county's plan and land use regulations were acknowledged by the Commission, the statewide planning goals and implementing rules no longer directly applied to such local land use decisions. *Byrd v. Stringer*, 295 Or 311 (1983). However, statutory requirements continue to apply, and insofar as the state and local provisions are materially the same, the local provisions must be interpreted consistent with the substance of the goals and implementing rules. *Foster v. Polk County*, 115 Or App 475 (1992); *Kenagy v. Benton County*, 115 Or App 131 (1992).

3. Effect of Regulations on Fair Market Value

In order to establish a valid claim, ORS 197.352(1) requires that any land use regulation described in Section V.2 of this report must have "the effect of reducing the fair market value of the property, or any interest therein."

Findings of Fact

The claim includes an estimate of $300,000 as the reduction in the property's fair market value due to current regulations. This amount is based on a real estate agent's estimate of the market value of five-acre parcels in the area.

Conclusions

As explained in Section V.1 of this report, the claimants are Joseph and Barbara Rodriguez who acquired the subject property on April 9, 1981. Under ORS 197.352, the claimants are due compensation for land use regulations that restrict the use of the subject property in a manner that reduces its fair market value. Based on the findings and conclusions in Section V.2 of this report, laws adopted since the claimants acquired the property restrict the desired division and development of the subject property. The claimants estimate the reduction in value due to the restrictions to be $300,000.

Without an appraisal or other documentation, and without verification of whether or the extent to which the property could be divided in 1981, it is not possible to substantiate the specific dollar amount the claimants demand for compensation. Nevertheless, based on the submitted information, the department determines that it is more likely than not the fair market value of the subject property has been reduced to some extent as a result of land use regulations enforced by the Commission or the department.

4. Exemptions Under ORS 197.352(3)

ORS 197.352 does not apply to certain land use regulations. In addition, under ORS 197.352(3), certain types of laws are exempt from ORS 197.352.

Findings of Fact

The claim is based on state land use regulations that restrict the use of the claimants' property, including Goal 14 and OAR 660-004-0040, which Washington County has implemented through its AF-10 zone. With the exception of provisions of Goal 14 in effect when the claimants acquired the property on April 9, 1981, these land use regulations were not in effect when the claimants acquired the property.

Conclusions

Without a specific development proposal for the property, it is not possible for the department to determine all the laws that may apply to a particular use of the property, or whether those laws may fall under one or more of the exemptions under ORS 197.352. It appears that the general statutory, goal and rule restrictions on residential development apply to the claimants' use of the property, and these laws are not exempt under ORS 197.352(3)(E) to the extent they were

enacted or adopted after the claimants acquired the property. Provisions of Goal 14 in effect when the claimants acquired the property in 1981 are exempt under ORS 197.352(3)(E) and will continue to apply to the property.

Other laws in effect when the claimants acquired the property are also exempt under ORS 197.352(3)(E) and will continue to apply to the claimants' use of the property. There may be other laws that continue to apply to the claimants' use of the property that have not been identified in the claim. In some cases, it will not be possible to know which laws apply to a use of property until there is a specific proposal for that use. When the claimants seek a building or development permit to carry out a specific use, it may become evident that other state laws apply to that use. In some cases, some of these laws may be exempt under ORS 197.352(3)(A) to (D). This report addresses only those state laws that are identified in the claim, or that the department is certain apply to the property based on the uses that the claimants have identified. Similarly, this report only addresses the exemptions provided for under ORS 197.352(3) that are clearly applicable, given the information provided to the department in the claim. The claimants should be aware that the less information they have provided to the department in the claim, the greater the possibility that there may be additional laws that will later be determined to continue to apply to their use of the property.

VI. FORM OF RELIEF

ORS 197.352(1) provides for payment of compensation to an owner of private real property if the Commission or the department has enforced a law that restricts the use of the property in a manner that reduces its fair market value. In lieu of compensation, the department may choose to not apply the law in order to allow the present owner to carry out a use of the property permitted at the time the current owner acquired the property. The Commission, by rule, has directed that if the department determines a claim is valid, the Director of the department must provide only non-monetary relief unless and until funds are appropriated by the legislature to pay claims.

Findings of Fact

Based on the findings and conclusions set forth in this report, laws enforced by the Commission or the department restrict the claimants' ability to divide the subject 10.17-acre property into two approximately 5-acre parcels for residential development. The claim asserts that the laws enforced by the Commission or the department reduce the fair market value of the subject property by $300,000. However, because the claim does not provide an appraisal or other specific documentation for how the specified restrictions reduce the fair market value of the property, and without verification of the extent to which the claimants' desired use would have been permitted when they acquired the property, a specific amount of compensation cannot be determined. Nevertheless, based on the record for this claim, the department acknowledges that the laws on which the claim is based likely have reduced the fair market value of the property to some extent.

No funds have been appropriated at this time for the payment of claims. In lieu of payment of compensation, ORS 197.352 authorizes the department to modify, remove or not apply all or parts of certain land use regulations to allow Joseph and Barbara Rodriguez to use the subject property for a use permitted at the time they acquired the property on April 9, 1981.

Conclusions

Based on the record, the department recommends that the claim be approved, subject to the following terms:

1. In lieu of compensation under ORS 197.352, the State of Oregon will not apply the following laws to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981. These land use regulations will not apply to the claimants' division of the subject property only to the extent necessary to allow them to use the property as described in this report, and only to the extent that the use was permitted when they acquired the property on April 9, 1981.

2. The action by the State of Oregon provides the state's authorization to the claimants to use the property subject to the standards in effect on April 9, 1981. On that date, the property was subject to applicable provisions Goal 14, in effect at that time.

3. To the extent that any law, order, deed, agreement or other legally enforceable public or private requirement provides that the subject property may not be used without a permit, license or other form of authorization or consent, the order will not authorize the use of the property unless the claimants first obtain that permit, license or other form of authorization or consent. Such requirements may include, but are not limited to: a building permit, a land use decision, a "permit" as defined in ORS 215.402 or 227.160, other permits or authorizations from local, state or federal agencies and restrictions on the use of the property imposed by private parties.

4. Any use of the property by the claimants under the terms of the order will remain subject to the following laws: (a) those laws not specified in Condition 1 above; (b) any laws enacted or enforced by a public entity other than the Commission or the department; and (c) those laws not subject to ORS 197.352 including, without limitation, those laws exempted under ORS 197.352(3).

5. Without limiting the generality of the foregoing terms and conditions, in order for the claimants to use the subject property, it may be necessary for them to obtain a decision under ORS 197.352 from a city and/or county and/or metropolitan service district that enforces land use regulations applicable to the property. Nothing in this order relieves the claimants from the necessity of obtaining a decision under ORS 197.352 from a local public entity that has jurisdiction to enforce a land use regulation applicable to a use of the property by the claimants.

VII. COMMENTS ON THE DRAFT STAFF REPORT

The department issued its draft staff report on this claim on March 30, 2006. OAR 125-145-0100(3), provided an opportunity for the claimants or the claimants' authorized agent and any third parties who submitted comments under OAR 125-145-0080 to submit written comments, evidence and information in response to the draft staff report and recommendation. Comments received have been taken into account by the department in the issuance of this final report.

WASHINGTON COUNTY
Department of Land Use and Transportation
PLANNING DIVISION, SUITE #350-14
155 NORTH FIRST AVENUE
HILLSBORO, OREGON 97124-3072
tel (503) 846-3519 fax (503) 846-4412

STAFF REPORT ADDENDUM

PROCEDURE TYPE: III
COMPREHENSIVE PLAN ELEMENT:
Rural/Natural Resource Plan
CPO: 10

EXISTING LAND USE DISTRICT: Agriculture and Forest – 10 Acre District (AF-10)

REQUEST: Comprehensive Plan amendment from AF-10 to AF-5

CASEFILE NO.: 06-389-PA

APPLICANT:
Joseph & Barbara Rodriguez
PO Box 790
Warrenton OR 97146

APPLICANT'S REPRESENTATIVE:
Jamie Morgan
Land Tech, Inc.
8835 SW Canyon Lane, Suite 402
Portland OR 97225

OWNER:
Applicant

MAP & TAX LOT NO.: 1S109BB01500

SITE SIZE: 10.17 acres
SITE ADDRESS: 13200 SW Whitmore Road
LOCATION: Off SW Whitmore Road, north of SW Bald Peak Road

Casefile No. 06-389-PA Staff Report for the December 5, 2007 Planning Commission Hearing

I. APPLICABILITY

This staff report addendum is prepared for the Planning Commission regarding the subject plan amendment. At their November 7, 2007 public hearing, the Planning Commission voted to tentatively approve the plan amendment request. The information presented here is provided in response to the Planning Commission's tentative approval. The Planning Commission directed staff to assist the applicant to prepare findings for LCDC Goal 14 and Policy 1 of the Rural/Natural Resource Plan. The Planning Commission also directed staff to recommend appropriate conditions of approval to attach to the findings. The findings and conditions of approval were scheduled for review at the December 5, 2007 Planning Commission meeting.

The findings presented in this staff report addendum replace the findings for the LCDC Goal 14 and Policy 1 in the October 29, 2007 staff report. The recommendation and findings for other applicable criteria in the October staff report, with Attachments A, B and C, continue to be applicable. Where a conflict exists between the findings in this addendum staff report and the October 29, 2007 staff report, the findings in this addendum report shall prevail.

II. FINDINGS

A. Compliance with LCDC Statewide Planning Goal 14, Urbanization

1. On September 28, 2000, the Land Conservation and Development Commission (LCDC) adopted an amendment to Goal 14, Urbanization. The goal amendment implemented and made effective a June 9, 2000 amendment to Oregon Administrative Rule (OAR) 660-004- 0040. The OAR addresses rural

residential development requirements by prohibiting the approval of rural residential plan amendments from AF-10 to AF-5 unless an exception to Goal 14 is taken. Specifically, Section 6 of OAR 660-004-0040 states:

> *(6) After the effective date of this rule, a local government's requirements for minimum lot or parcel sizes in rural residential areas shall not be amended to allow a smaller minimum for any individual lot or parcel without taking an exception to Goal 14 pursuant to OAR 660, Division 14.*

This rule prohibits counties from changing land use designations in rural residential areas that would allow a smaller minimum lot or parcel size. In Washington County, rural residential areas are the AF-10, AF-5 and RR-5 Districts. Since the applicant is requesting to change the plan designation of an existing rural residential lot to a designation which allows a smaller minimum lot size than currently allowed under the AF-10 designation, this request conflicts with Section 6 of OAR 660-004-0040.

2. After the above change was adopted in 2000, the county did not amend its Comprehensive Plan to be consistent with OAR 660-004-0040. In pre-application consultations with staff in 2005, the applicant was advised that because the county never amended its Comprehensive Plan to prohibit AF-10 to AF-5 plan amendments, they would have to contact the State of Oregon to determine whether Goal 14 and OAR 660-004-0040 regulations could be waived under Measure 37.

3. The applicant filed a Measure 37 claim with the state and received a final order in April 2006 that approved the claim (Attachment B to the November 7, 2007 staff report), stating that "[t]he State of Oregon will not apply the following laws to Joseph and Barbara Rodriguez's division of the 10.17-acre property into two approximately 5-acre parcels for residential development: the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981." Further, "[t]he action by the State of Oregon provides the state's authorization to the claimants to use the property subject to the standards in effect on April 1981. On that date, the property was subject to applicable provisions Goal 14 (*sic*), in effect at that time."

4. The DLCD staff report adopted with the final order states, "[a]s interpreted by the Commission (OAR 660-04-0040), Goal 14 generally required a minimum lot size of at least two acres." The AF-5 district fits that description.

5. The state's final order stated that in lieu of compensation under ORS 197.352, the State of Oregon would not apply the applicable provisions of Goal 14 and OAR 660-004-0040 adopted after April 9, 1981 to the applicant's division of the 10.17-acre property into two approximately 5-acre parcels. County staff determined that if Goal 14 and OAR 660-004-0040 did not apply to the subject property, the applicant would be able to obtain a plan amendment from AF-10 to AF-5 under the county's acknowledged criteria. The waiver allows the application of the "standards in effect in 1981." In 1981, the County's standards allowed the proposed AF-5 use based upon a showing of compliance with applicable criteria in the Comprehensive Plan.

6. The applicant submitted a plan amendment application to the county in February 2006. Staff determined the application was complete and scheduled it for a hearing before the Planning Commission in November 2006. Staff's analysis determined the application complied with the applicable review criteria, including Goal 14 due to the state's waiver. At that time staff had proposed to recommend that the request be approved.

7. In October 2006, staff received a letter from the DLCD regarding the plan amendment. The letter (Attachment C) said the state's order on the Rodriguez claim waived Goal 14 and OAR 660-004-0040 regulations "to allow the claimants to divide their 10.17-acre property into two approximately 5-acre parcels, to the extent such action was permitted in 1981." Nonetheless, the letter states the waiver can not be the basis for a comprehensive plan and zone change because, based on the AF-10 zoning in 1981, the applicant could not create two buildable five-acre lots on the property.

8. The Planning Commission found that the DLCD director is incorrect with respect to uses allowed in 1981. The acknowledged method to divide AF-10 land into 5-acre parcels in 1981 was through the

AF-10 to AF-5 zone change process.[1] The applicants reviewed the history of zone changes and plan amendments from AF-10 to AF-5 over a period of more than 20 years, from approximately 1979 until October 2000. (*History of AF-10 to AF-5 Zone Changes and Plan Amendments*, with 10 exhibits from county files.) The history shows that nearly every proposed change from AF-10 to AF-5 was approved, and there is every reason to believe that the subject property would also have received the same favorable treatment.

9. The standards in effect in 1981 include the county's interpretation of the close relationship between the AF-10 and AF-5 Districts. In 1981, the Intent and Purpose of the AF-10 District stated that it "may serve as a transitional zone for areas intended for rural use under the AF-5 zone when such is appropriate." Under that standard, the county regularly approved AF-10 to AF-5 changes because the two districts have been virtually the same since the 1981 acquisition by the applicant. In 1981, the change from AF-10 to AF-5 was still a zone change that did not require a plan amendment. A staff report from a zone change approved in 1982 explains:

   > "The intent and purpose of the AF-5 Land Use District is identical to the AF-10 Land Use District except that the AF-10 Land Use District 'may serve as a transitional zone in areas intended for rural use under the AF-5 zone when such is appropriate." (File No. 82-335 staff report dated September 23, 1982, provided by the applicant)

   The county adopted a new Community Development Code and the Rural/Natural Resource Plan in late 1983, which added details to the process of changing AF-10 to AF-5, but maintained the close similarities between the two districts.[1]

10. Prior to October 4, 2000, most AF-10 to AF-5 plan amendments were routine and did not require an exception to Goal 14. As shown by the applicants' detailed history of numerous such plan amendments, most AF-10 to AF-5 plan amendments were approved unless evidence indicated there were inadequate services for additional development, as shown by the applicants' detailed history of numerous such plan amendments.

11. The subject property is in an acknowledged Goal 3 "physically developed and irrevocably committed" Exception Area (#131). When the county adopted the exception in 1983 with the site's AF-10 designation, changes to the AF-5 plan designation were clearly anticipated subject to compliance with applicable Comprehensive Plan policies: the information page for #131 notes that there were 68 potential additional lots based on AF-5 zoning.

12. The applicants provided a closer look at the properties north of Bald Peak Road in Exception Area 131. In that sub-area, the applicants identified 36 lots with a total of 246.05 acres, with 30 of the lots developed and a total of 44 potential dwellings given the current plan designation. This results in a current density of 1 unit per 8.20 acres and a potential density of 1 unit per 5.59 acres. Three AF-10 to AF-5 changes have been approved in this sub-area. In 1985 the county approved File 85-86-M (2S3 3 Lots 803 and 804, 20.01 acres). In 1986 the county approved File 86-72-M (2S3 3 Lots 901, 1000 and 1001, 35.30 acres). Finally, one of the last AF-10 to AF-5 plan amendments approved in 2000 took place in this same sub-area of Exception 131, County File L0000415 (2S3 03 Lots 601 and 701, 30.82 acres).

13. In the current Community Development Code, the first two paragraphs of the AF-10 District Intent and Purpose (Section 346-1) are identical to the AF-5 code. The only difference between the two statements of intent and purpose is the following sentence added to the AF-10 District:

    > "This District is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services."

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[1] Washington County's 1983 Comprehensive Plan adopted a new process to change the AF-10 designation to AF-5 through a comprehensive plan map amendment rather than a zone change.

The subject property, which has predominantly low to moderate slopes and adequate public facilities and services, does not fit the description of AF-10 land. If the applicant had applied for a zone change or plan amendment from AF-10 to AF-5 at any time after acquisition in 1981 until the state rule change in 2000, there is every reason to believe the plan amendment would have been determined to be consistent with the Intent and Purpose of the AF-5 District.

14. As shown by the applicants, the subject property meets the AF-5 purpose and intent because it predominantly has low to moderate slopes and adequate public facilities. The applicants have submitted evidence showing that the slopes on the property range from three to twenty percent, with the majority of the site twelve per cent slope or less. This would easily qualify the subject property for an amendment to AF-5. In 1985, the county approved an AF-10 to AF-5 plan amendment on property immediately adjacent to the subject property. (2S3 3 Lots 803 and 804) The staff report in File No. 85-86-M (provided by the applicants) described the implementation of county policy as follows:

    "The intent and purpose of the AF-5 and AF-10 Districts are identical, except that the AF-10 District also states that 'this district is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services.' By comparing the two intents and purposes it is apparent that AF-10 District is intended to apply to lands that cannot support AF-5 densities because of adverse slopes and limited public facilities. In this case, the site has slopes ranging from 3-30 % with 85% of the site in the 3-20% range. All of the public facilities and services are adequate and the site can support AF-5 densities, therefore this request complies with the intent of the requested district (AF-5).

    * * * * *

    "The site is within a physically developed and committed area (Area 131) which is served by rural services which can support AF-5 densities. In particular the site is served by a rural community water system. The Rural/Natural Resource Plan Element clearly intended that such AF-10 areas be allowed to change to the AF-5 District when rural services are adequate and physical characteristics permit it."

15. The applicant's representative pointed out that the letter from DLCD said "[t]he Department has learned that the subject property was zoned AF-10 when the applicant acquired it in 1981," apparently implying that DLCD thought the land was designated AF-5 at the time. The applicant has testified that his Measure 37 claim explicitly detailed the AF-10 zoning of the land.

16. Staff deferred to DLCD's letter and advised the Commission that the application for a plan amendment from AF-10 to AF-5 must therefore be denied. It appears to the Commission that the state's letter in effect amends the "final order." The Commission believes that the applicant was entitled to rely upon that final order to proceed with the proposed plan amendment.

17. Accordingly, the Commission finds that the state's waiver leaves the county able to make a plan amendment decision in this case as it could have for nearly two decades after the applicant acquired the subject property. The record provided by the applicant and the staff is clear: this property is entitled to an AF-5 designation under the county regulations in place in 1981.

18. This application complies with all of the county's approval criteria for a plan amendment and should be approved. DLCD has waived the application of Goal 14 rules adopted after 1981 in this case and the plan amendment does not require an exception to Statewide Planning Goal 14 (Urbanization).

19. Findings for compliance with other applicable statewide planning goals are found in the October staff report.

B. Rural / Natural Resource Plan

Policy 1, the Planning Process, states:

It is the policy of Washington County to establish an on-going Planning Program which is a responsive legal framework for Comprehensive Planning, Community Development and Resource Conservation which accommodates changes and growth in the physical, economic and social environment, in response to the needs of the county's citizens. It is the policy of Washington County to provide the opportunity for a landowner or his/her agent to initiate quasi-judicial amendments to the Comprehensive Plan on a semi-annual basis. In addition, the Board of Commissioners, the Planning Director, or the Planning Commission may initiate the consideration of quasi-judicial map amendments at any time deemed necessary.

Applicable Implementing Strategies:

o. Require that all plan amendments:

1) Be in conformance with applicable LCDC Goals, State Statutes, and Administrative Rules;

2) Be in conformance with applicable policies and strategies of the Rural/Natural Resource Plan Element; and

3) Be in conformance with applicable policies, strategies, and systems maps of the Transportation Plan Element.

For the reasons stated in the October staff report, including the October 31 Transportation Report, this application conforms to applicable policies and strategies of the Rural/Natural Resource Plan Element and with the applicable policies, strategies, and systems maps of the Transportation Plan.

In addition, this plan amendment application is also consistent with the applicable Statewide Planning Goals, state laws and rules as noted in the staff report, except as amended herein in regard to Goal 14 and its implementing rules.

Staff had recommended that the Commission deny this application because of the DLCD letter described in the findings on Goal 14 stated above. The Planning Commission said it did not agree with staff on this question, and found instead that the applicant's plan amendment request is allowed by the state's Measure 37 order. The Commission also found that the request is in compliance with Goal 14 for the reasons described under Section A above.

p. Require that plan map amendments meet the following criteria:

As used in the following sections a mistake means a clerical error, or a mistake in the current designation such that it probably would not have been placed on the property had the error been brought to the attention of the Board during the adoption process.

2. Amendments from Agriculture and Forestry-10 to Agriculture and Forestry-5 shall be based upon:

A. A mistake in this 1983 Plan; or

B. The site (area) is within a Physically Developed and Committed Area as defined in this Plan based upon:

I. The state of development and commitment that existed in July 1, 1983;

This implementation strategy requires a demonstration that the subject property is part of a Goal 3 or Goal 4 "developed and committed" exception area as of July 1, 1983. The July 1983 date established a benchmark for the application of this strategy, which coincides with the determination of marginal lands. It was not intended that an applicant rejustify the determination of the acknowledged Goal 3 or Goal 4

exception area at the time of application for a plan amendment from AF-10 to AF-5. The subject property is in an existing Goal 3 exception area (#131), which was approved based on the state of existing development and development commitment that existed July 1, 1983.

According to the Exceptions Statement Document, Exception Area #131 encompasses approximately 890 acres, and as of 1983, was comprised of 107 parcels. The average parcel size at the time of adoption was 8.3 acres, with parcels ranging in size from .57 to 68 acres. In 1983, 51 percent of the parcels were improved.

To comply with this implementing strategy, the applicant must only demonstrate that the subject site is within a Goal 3 or Goal 4 exception area. The exception areas with AF-10 and AF-5 lands adopted by Washington County in 1983 and acknowledged by LCDC in 1984, clearly contemplated that most AF-10 land could be converted to AF-5 over time. Only those AF-10 lands that have steep topographic characteristics and limited public facilities and services may not be suitable for the AF-5 designation. The record clearly shows that this property does not have predominant steep topographic characteristics and it has sufficient public facilities and services, and is therefore suitable for the AF-5 designation and has been for many years.

III. SUMMARY AND CONCLUSIONS

1. Based on revised findings for the LCDC Statewide Planning Goals and Policy 1 of the Rural/Natural Resource Plan, the Planning Commission concludes that the AF-5 District is the most appropriate designation for the subject property.

2. The change in plan designation to AF-5 will not "significantly affect" the surrounding planned transportation system and is therefore consistent with the 2020 Transportation Plan and Oregon Administrative Rule 660-012-0060.

3. Local service providers currently can provide an adequate level of public facilities and services to the site.

4. Approval of the plan amendment to AF-5 will not significantly affect the county's compliance with the LCDC Metropolitan Housing Rule and related Rural/Natural Resource Plan policies and implementing strategies.

IV. RECOMMENDATION

Based on the evidence and findings in the applicant's submittal, the findings in this addendum staff report, the October 29, 2007 staff report with attachments, the above Summary and Conclusions above, staff recommends approval of the request to change the designation of the subject property from Agriculture and Forest 10 Acre District (AF-10) to Agriculture and Forest 5 Acre District (AF-5) with the following condition:

> Any additional amount over and above the fee deposit submitted with this application which is determined to be owed to the county shall be paid upon receipt of a statement of balance due, consistent with the agreement for payment of fees for quasi-judicial plan amendment application processing previously signed by the owner.

LAND TECH
INCORPORATED
LTI
Engineering • Surveying • Planning and Environmental Consulting

A request for approval of:

A Comprehensive Plan Amendment

For Joe and Barbara Rodriguez
Located at 13200 SW Whitmore Road

Submitted to:
Washington County, Oregon

Applicants:

Joe & Barbara Rodriguez
PO Box 790
Warrenton, OR 97146

Applicants' Representative:

Land Tech, Inc.
Morgan Brakken
8835 SW Canyon Ln, Ste 402
Portland, OR 97225

A. Introduction

The applicants, Joe and Barbara Rodriguez, are requesting approval of a Plan Amendment for their property in rural Washington County from AF-10 (Agriculture and Forest District) to AF-5. Their property is located in the Bald Peak area, is approximately 10.17 acres in size, and is described as Tax Lot 807 of Tax Map 2S3 03. The site address is 13200 SW Whitmore Road. Currently the property is improved with one single-family residence, which has been the Rodriguez's place of residence since 1982 when it was constructed. Approval of this request will ultimately permit the Rodriguez's to partition their property and construct a home on the newly created parcel.

The applicants have an approved Measure 37 claim (M118582) with the State of Oregon Department of Land Conservation and Development (DLCD) with regard to OAR 660-004-0040 as applied through Statewide Planning Goal 14. Pursuant to DLCD's Final Order, the State shall not be applying or enforcing any minimum lot size requirements contained within Goal 14 or established by OAR 660-004-0040. A copy of DLCD's Decision is included in the submittal materials.

B. Compliance with LCDC Statewide Planning Goals

Applicant's Response:

The Washington County Rural/Natural Resource Plan Element of the Comprehensive Plan and related implementing ordinances conform to statewide land use planning goals and guidelines. Goals applicable to this proposal, with the exception of Goal 2, which is addressed here, are addressed under related policies from the Washington County Rural/Natural Resource Plan.

LCDC Goal 2, Land Use Planning

This goal requires the establishment of a land use planning process and policy framework which conforms to the applicable goals. OAR Chapter 660, Division 4, sets forth the following requirements:

> *Planning and Zoning for Exception Areas*
>
> *660-04-018 (1) Purpose. This rule explains the requirements for adoption of plan and zone designations for exception areas. Exceptions to one goal or a portion of one goal do not relieve a jurisdiction from remaining goal requirements and do not authorize uses or activities other than those recognized or justified by the applicable exception. Physically developed and irrevocably committed exceptions under OAR 660-04-025 and 660-04-028 are intended to recognize and allow continuation of existing types of development in the exception area. Adoption of plan and zoning provisions which would allow changes in existing types of uses requires application of standards outlined in this rule.*

Applicant's Response:

Exception to Goals 3 and 4. The Rodriguez's property is located within an acknowledged "physically developed and irrevocably committed" exception area (# 131). This request does not require a new or modified exception because the Exceptions Document, the Rural/Natural Resource Plan, and the Community Development Code clearly indicate that both AF-10 and AF-5 are appropriate designations in residential exception areas, and that AF-10 areas can be changed to AF-5 densities when certain criteria are met. Moreover, the projected density within the exception area is calculated on the assumption that the area will devoted to AF-5 use. Approval of this plan amendment would not change the types of development presently allowed in the exception area under the existing AF-10 and AF-5 designations.

Exception to Goal 14.

The State has granted a Measure 37 claim waiver with respect to Goal 14 and therefore an exception is not required. The waiver allows the application of the "standards in effect in 1981." In 1981, the County's standards allowed the proposed AF-5 use.

Statewide Planning Goal 14 (Urbanization) became effective on January 25, 1975. The applicants acquired their property on April 9, 1981. The property was designated AF-10 by the Washington County Comprehensive Plan at that time. LCDC did not acknowledge the County's rural area plan and development code until 1984.

Nearly two decades after the Rodriguez' purchased their property, LCDC amended Goal 14 and adopted OAR 660-004-0040 (Application of Goal 14 to Rural Residential Areas). This rule states that if a County residential zone in effect on October 4, 2000, specifies a minimum lot size of two acres or more, the area of any new lot or parcel shall equal or exceed the minimum lot size that is already in effect. The adoption of this rule ended the County's practice of approving AF-10 to AF-5 Plan Amendment requests without also approving an exception to the state's requirements under Goal 14 . However, the County has not amended the Comprehensive Plan or Community Development Code to reflect the state's Goal 14 rule changes.

The applicants sought and have received approval of a Measure 37 claim from DLCD with regard to its application of provisions of Goal 14, including OAR 660-004-0040. Pursuant to DLCD's Final Order for Claim No. M118582, the State of Oregon has authorized the applicants to use their property subject to the standards in effect on April 9, 1981. The DLCD director has written a letter attempting to modify the State's waiver by asserting that the Final Order cannot be used to support this plan amendment because the five-acre lot size was not allowed in 1981in the County's AF-10 district.

The DLCD director is incorrect with respect to uses allowed in 1981. The Applicant reviewed the history of zone changes and plan amendments from AF-10 to AF-5 over a period of more than 20 years, from approximately 1979 until October 2000. The history shows that nearly every proposed change from AF-10 to AF-5 has been approved, and there is every reason to believe that the subject property would also have received the same favorable treatment. "The standards in effect in 1981" include the County's interpretation of the close relationship between AF-10 and AF-5. In 1981, the Intent and Purpose of the AF-10 District stated that it "may serve as a

transitional zone for areas intended for rural use under the AF-5 zone when such is appropriate."[1] Under that standard, the County regularly approved AF-10 to AF-5 changes. As discussed later in this narrative, AF-5 was the appropriate zone in 1981 as it is the appropriate designation now. (See Applicant's *History of AF-10 to AF-5 Zone Changes and Plan Amendments.*)

This application complies with all of the County's approval criteria for a plan amendment and should be approved. DLCD has waived the application of Goal 14 rules adopted after 1981 in this case. Approval of the proposed Plan Amendment therefore does not require an exception to Statewide Planning Goal 14 (Urbanization).

C. Washington County Comprehensive Plan (Rural/Natural Resource Plan Element)

1. Policy 1, The Planning Process, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO ESTABLISH AN ONGOING PLANNING PROGRAM WHICH IS A RESPONSIVE LEGAL FRAMEWORK FOR COMPREHENSIVE PLANNING, COMMUNITY DEVELOPMENT AND RESOURCE CONSERVATION WHICH ACCOMMODATES CHANGES AND GROWTH IN THE PHYSICAL, ECONOMIC AND SOCIAL ENVIRONMENT, IN RESPONSE TO THE NEEDS OF THE COUNTY'S CITIZENS.

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE THE OPPORTUNITY FOR A LANDOWNER OR HIS/HER AGENT TO INITIATE QUASI-JUDICIAL AMENDMENTS TO THE COMPREHENSIVE PLAN ON A SEMI-ANNUAL BASIS. IN ADDITION, THE BOARD OF COMMISSIONERS, THE PLANNING DIRECTOR, OR THE PLANNING COMMISSION MAY INITIATE THE CONSIDERATION OF QUASI-JUDICIAL MAP AMENDMENTS AT ANY TIME DEEMED NECESSARY.

Applicable Implementing Strategies:

o. Require that all plan amendments:

1) Be in conformance with LCDC Goals, State Statutes, and Administrative Rules; and

2) Be in conformance with policies and strategies of the Rural/Natural Resource Plan Element.

Applicant's Response:

Applicable State requirements with the exception of any minimum lot size requirements contained within Goal 14 or established by OAR 660-004-0040 are being addressed concurrently with the plan policies. The written findings of fact contained with this project narrative together with other included documentation establish conformance with all the applicable policies and strategies of the Rural/Natural Resource Plan Element. These are addressed in ensuing sections of this report.

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[1] The term "appropriate" carried over to the revised code in 1983 (and continues in the current code), used to describe when AF-10 designation is appropriate - - when there are steep slopes and limited public facilities and services. There are no steep slopes on the subject property, and the public services are adequate.

p. Require that plan map amendments meet the following criteria:

2) Amendments from Agriculture and Forestry-10 to Agriculture and Forestry-5 shall be based upon:

B. The site (area) is within a Physically Developed and Committed Area as defined in this Plan based upon:

I. The state of development and commitment that existed on July 1, 1983;

Applicant's Response:

The Rodriguez's property is located within an existing exception area (# 131), which was approved based on the state of existing development and development commitment that existed prior to July 1, 1983. The July 1983 date established a benchmark for the application of this strategy, because it coincides with the determination of marginal lands. It is unnecessary for an applicant to re-justify the determination of the acknowledged exception area as part of this application.

Based on the Exceptions Statement Document, Exception Area # 131 is 890.96 acres, and at the time of adoption was comprised of 107 parcels. The average parcel size at the time of adoption was 8.3 acres, with parcels ranging in size from 0.57 to 68 acres. At the time Exception Area # 131 was approved, over 51 percent of the parcels were improved.

The applicants have established compliance with this implementing strategy by demonstrating that their property is within an exception area. The exception areas with AF-10 and AF-5 lands adopted by Washington County in 1983 and acknowledged by LCDC in 1984, clearly contemplated that most AF-10 land would be converted to AF-5 over time. This property is not encumbered by steep topographic characteristics or limited public facilities and is therefore appropriate to be re-designated to AF-5.

II. Compliance with the **intent** of the requested land use district;

Applicant's Response:

This Plan Policy implementing strategy requires that the application demonstrate compliance with the intent of the requested land use district, AF-5.

Section 348: Agriculture and Forest District (AF-5).

348-1 Intent and Purpose.

The AF-5 District is intended to retain an area's rural character and conserve the natural resources while providing for rural residential use in areas so designated by the Comprehensive Plan.

The purpose of this agricultural and forestry district is to promote agricultural and forest uses on small parcels in the rural area, while recognizing the need to retain the character and economic viability of agricultural and forest lands, as well as recognizing that existing parcelization and diverse ownerships

and uses exist within the farm and forest area. Residents of rural residential tracts shall recognize that they will be subject to normal and accepted farming and forestry practices.

Applicant's Response:

It is important note here that the first two paragraphs of the AF-10 District Intent and Purpose (Section 346-1) are identical to the AF-5 code. The only difference between the two statements of intent and purpose is the following sentence added to the AF-10 code:

> *This District is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services.*

The subject property, which is not steep and which has adequate public facilities and services, does not fit this description of land which is appropriately designated AF-10. The applicant infers that the current AF-10 designation is inappropriate for the property If this were an application requesting a change to AF-10, the property could not comply with the intent of the AF-10 district in regard to steep slopes and limited public services. Thus, not only does the property comply with the intent of the requested land use district (AF-5), it does not comply with the intent of the existing land use district (AF-10).

The ultimate result of the requested Plan Amendment may be the addition of one single-family residence to this ten-acre site. Such an addition is consistent with the area's rural character, which is comprised of two to fifteen acre properties supporting dispersed home-sites and small tract agricultural use. The proposed Plan Amendment provides for rural residential use and will not affect the off-site Significant Natural Resource designation on the abutting property to the south. This request is therefore consistent with the intent of the AF-5 District.

III. Are in conformance with the applicable policies and strategies of the following sections of the Plan: Natural and Cultural Setting, Public Facilities and Services, Rural Transportation, and Rural Development.

Applicant's Response:

As noted above, applicable policies and strategies are addressed in ensuing sections of this report.

(These findings also pertain to Statewide Planning Goal 2, Citizen Involvement.)

2. Policy 2, Citizen Involvement, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO ENCOURAGE CITIZEN PARTICIPATION IN ALL PHASES OF THE PLANNING PROCESS AND TO PROVIDE OPPORTUNITIES FOR CONTINUING INVOLVEMENT AND EFFECTIVE COMMUNICATION BETWEEN CITIZENS AND THEIR COUNTY GOVERNMENT.

Applicant's Response:

A quasi-judicial plan amendment such as this must be considered through a Type III procedure. In accordance with Section 204-4 of the Community Development Code (CDC), a notice of the public hearing for this application shall be sent to all owners of record of property within 1000 feet of the subject property. This notice shall be sent at least 20 days prior to the first hearing. Additionally, the County shall place a legal notice of the hearing in a newspaper of general circulation at least ten days prior to the first hearing date. As required by CDC Section 204-1.4, the applicants will post a sign on the subject property within twenty-eight days of acceptance of the application.

A copy of the plan amendment application shall be mailed by Washington County to the representative for the local Citizen Participation Organization (CPO 10). Finally, the staff report shall be available by Washington County to all interested parties seven days prior to the hearing as required by Code Section 203-6.2.

(These findings also pertain to Statewide Planning Goal #1, Citizen Involvement.)

3. Policy 6, Water Resources, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO MAINTAIN OR IMPROVE SURFACE AND GROUND WATER QUALITY AND QUANTITY.

Applicable Implementing Strategies:

The County will:

a. Strive to ensure adequate water supplies for all uses by:

   1. Encouraging water conservation programs by water users and purveyors;

   2. Reviewing and revising existing development regulations where necessary or limiting the location or operation of new wells as a condition of development approval, considering advice and/or recommendations received from the State Water Resources Department;

   3. Coordinating with State and Federal agencies in evaluating and monitoring ground water supplies; and

   4. Complying with the May 17, 1974 Order of the State Engineer establishing and setting forth provisions for the Cooper Mountain-Bull Mountain Critical Ground Water Area.

   5. Requiring applicants for quasi-judicial Plan Map Amendments to provide well reports (well logs) filed with the Water Master for all Public Lands Survey (township and range system) sections within one-half (1/2) mile of the subject site and provide an analysis of whether ground water quality and quantity within the area will be maintained or improved. The analysis should include well yields, well depth, year drilled or other data as may be required to demonstrate compliance with this policy.

Applicant's Response:

The primary intent of this implementing strategy is to ensure, to the extent practicable, that ground water supplies are adequate to accommodate new development and that new wells will not seriously interfere with existing wells in the area.

The applicants' property is located within the Chehalem Mountain Limited Groundwater area. New wells for domestic use on individual parcels are allowed within the Limited Groundwater Area. The property is not located within the Cooper Mountain-Bull Mountain Critical Ground Water Area.

The property is within the LA Water Cooperative District boundary. However, the applicant does not rely upon the availability of water district service alone to justify a plan amendment to higher densities. The applicants have conducted well log research and performed a well log analysis to establish that adequate capacity is available for a future additional well, if necessary. Amendments to the Goal 11 Administrative Rule, 660-011, adopted by LCDC in 1998 state:

> *Water Service to Rural Lands*
>
> *660-011-0065(2) Consistent with Goal 11, local land use regulations applicable to lands that are outside urban growth boundaries and unincorporated community boundaries shall not:*
>
> *(c) Allow an increase in the allowable density of residential development due to the presence, establishment, or extension of a water system.*

Through the following well log research and analysis, the applicants have demonstrated that ground water supplies are adequate to accommodate new development and that new wells will not seriously interfere with existing wells in the area. Copies of the well logs are included in the submittal package.

Currently there are no wells on the site. The applicant has provided 129 well logs for all wells with adequate information for Sections 2, 3, 10 and 11 of Tax Map 2S3. The wells in this area range in complete depth from 10 to 734 feet. The average complete well depth is approximately 353 feet. The average static water level is approximately 199 feet below surface level. There has been a decrease in average static water from approximately 177 feet in the 1960s to approximately 286 feet in the 1990s. However, the greatest number of wells was drilled in the 1970s and 1980s. During these two decades, average static water levels decreased less, from approximately 174 feet to approximately 194 feet.

The decrease in average static water level may be attributable to a pair of factors. First, during the last 20 years or so, Oregon has been in a "dry" climate cycle. Below average rainfall can result in reduced aquifer recharge. However, recent reports in the press quote climatologists as saying the Pacific Northwest is moving back into a "wet" cycle with higher than average rainfall. This could result in rising static water levels in the future. A second factor is that water is actually being extracted from the aquifer at a greater rate than it is being replenished. This scenario would be ground to deny any increases in density in the Chehalem Mountain Limited Groundwater area.

There is substantial evidence to conclude that the aquifer does contain sufficient water to support additional dwellings in the area. According to the well log summaries, average well production capacity has steadily increased from approximately 12 gpm in the 1960s to approximately 37 gpm from 2000 to present. In addition, there is no evidence in the well logs of a large number of well deepenings to indicate that reduction in static water level is a serious problem. Of the 129 well logs submitted with the analysis, only 10 were for the purpose of deepening an existing well. The remainder was for new wells. Of these ten, none are located in the same quarter section as the applicants' property.

This evidence demonstrates groundwater supplies are adequate to accommodate one additional dwelling, and that one new well will not seriously interfere with existing wells in the area for the following reasons:

1. The decrease in average static water levels was marginal during the 1970s and 1980s when most of the wells were drilled in the area.

2. Reduced rainfall over the past twenty years may have reduced aquifer recharge rates. There is anecdotal evidence suggesting that the Pacific Northwest is entering a period of increased annual rainfall, which would result in higher recharge rates.

3. Average well production has steadily increased from approximately 12 gpm in the 1960s to approximately 37 gpm from 2000 to present, which indicates there is not a shortage of water in the aquifer. In addition, the small number of well deepenings indicates that reduction in static water level is not a serious problem.

b. Ensure adequate quality of surface and groundwater by:

1. Promoting compliance with Department of Environmental Quality water quality standards;

2. Cooperation with the Soil and Water Conservation District in the implementation of effective methods of controlling non-point sources of water pollution in agricultural areas;

3. Cooperating with the Oregon State Department of Forestry in the implementation of effective methods of controlling non-point sources of water pollution in forest areas; and

4. Ensuring that the establishment of subsurface sewage disposal systems (e.g., septic tanks) will not adversely affect ground water quality;

Applicant's Response:

Prior to the issuance of a building permit for any new dwelling, approval for the installation of a new septic system shall be obtained from the County Health Department. The standards for such permits comply with DEQ requirements, which are designed to ensure adequate quality of groundwater. Any future grading activities (e.g., construction of a dwelling) shall comply with

CDC Sections 410 (Grading and Drainage) and 426 (Erosion Control). Compliance with these standards ensures adequate quality of surface water. Therefore, this criterion is satisfied.

c. Protect and maintain natural stream channels wherever possible, with an emphasis on non-structural controls when modifications are necessary.

Applicant's Response:

No stream channels are located on the applicants' property. According to the County's Flood Plain Series maps, a stream is proximal to the southern boundary of the Rodriguez's property. Future applications for development within proximity of the stream can delineate the stream channel and protect it as necessary. There is ample space on the property to construct one additional dwelling well outside of this area. Therefore, this criterion is satisfied.

d. Limit the alteration of natural vegetation in riparian zones and in locations identified as significant water areas and wetlands.

Applicant's Response:

According to the County's Significant Natural Resources Map for the Rural/Natural Resource Area, a stream (water areas, wetlands, and fish and wildlife habitat) is proximal to the southern boundary of the property. Future applications for development within proximity of the stream can delineate any associated resource area and protect it as necessary. There is ample space on the property to construct one additional dwelling well outside of this area. Therefore, this criterion is satisfied.

e. Encourage property owners with land which qualifies as "designated riparian land" and defined by the 1981 Riparian Habitat Act to apply for exemption of that land from ad valorem taxation.

Applicant's Response:

This implementing strategy is directed at the County, not the applicant, and it may not apply. The site itself is not within a designated riparian land area, so the subject property is not the type encouraged to remain vacant According to the County's Significant Natural Resources Map for the Rural/Natural Resource Area, a stream abuts the southern boundary of the subject site. The applicants appreciate the 1981 Riparian Habitat Act to the extent that a "riparian land" may affect the site. There is ample space on the property to construct one additional dwelling well away from this area. Therefore, this criterion is satisfied.

f. Support viable water resource projects which are proposed in the County upon review of their cost benefit analysis, alternatives, and environmental and social impacts.

Applicant's Response:

This implementing strategy is directed at the County, not the applicant. There are no water resource projects proposed in the vicinity of this property. Therefore, this criterion does not apply.

g. Coordinate land use actions regarding water projects with agencies and jurisdictions which may be impacted by such projects.

Applicant's Response:

There are no water resource projects proposed in the vicinity of this property. Therefore this criterion does not apply.

h. Support measures to conserve vegetation in drainage basin watersheds as a means of controlling the release of water to downstream farmlands and urban areas.

Applicant's Response:

The property is already cleared and in farm use, excepting the existing homesite. It is unlikely that one additional single-family dwelling unit will substantially contribute to runoff on a 10-acre site. All necessary permits will be obtained from DEQ prior to issuance of a building permit.

i. Cooperate with the Division of State Lands, State of Oregon in their review and mitigation of projects that alter water areas and wetlands under their jurisdictions.

Applicant's Response:

No stream channels are located on the applicants' property. According to the County's Flood Plain Series maps, a stream is proximal to the southern boundary of the Rodriguez's property. There is ample space on the property to construct one additional dwelling well outside of this area and it is highly unlikely that any disturbance to this area will occur. Therefore, this criterion is satisfied.

j. Consistent with the recommendations of the Department of Environmental Quality, State of Oregon, and the Unified Sewerage Agency, support the expansion of stormwater sampling in the Tualatin Basin and consideration of proper planning and management measures for non-point source problems.

Applicant's Response:

Any subsequent development of the subject properties will have to comply with the applicable sections of the Community Development Code sections that implement the above strategies.

(These findings also pertain to Statewide Planning Goals 5 and 6.)

4. Policy 8, Natural Hazards, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO PROTECT LIFE AND PROPERTY FROM NATURAL DISASTERS AND HAZARDS.

Applicable Implementing Strategies:

The County will:

a. Regulate new development in flood plain areas identified as being subject to flooding in the event of a 100 year flood (a flood with a 1% chance of occurrence in any year) in the latest HUD or Corps of Engineers flood area studies. Such regulations shall discourage new development in flood plains. Modifications or additions to existing structures may be allowed subject to engineering requirements which do not increase flood damage potential;

Applicant's Response:

According to the County's Flood Plain Series maps, a stream is proximal to the southern boundary of the subject site. However, no portion of this property is identified as being in the flood plain area. Future applications for development within proximity of the stream can delineate the stream channel and protect it as necessary. There is ample space on the property to construct one additional dwelling well outside of this area. Therefore, this criterion is satisfied.

b. Adopt Chapter 70 of the Uniform Building Code, which controls grading and fill on or near slopes;

Applicant's Response:

The CDC considers slopes greater that 20 percent to be hazardous, requiring additional development standards. The Soil Survey of Washington County Oregon, 1982 shows the subject parcel to contain the following soil types:

1. **28B** – Laurelwood silt loam, with 3 to 7% slopes; and

2. **28C** – Laurelwood silt loam, with 7 to 12% slopes; and

3. **28D** – Laurelwood silt loam, with 12 to 20% slopes.

Slope-related hazards are dealt with in the development review process pursuant to CDC Section 410 and Chapter 70 of the Uniform Building Code UBC. Based on the soil and topographical information, most, if not all, of the site has slopes of less than 20 percent.

(These findings also pertain to Statewide Planning Goal 7, Areas Subject to Natural Disasters and Hazards.)

5. Policy 10, Fish and Wildlife Habitat, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO PROTECT AND ENHANCE SIGNIFICANT FISH AND WILDLIFE HABITAT.

Applicable Implementing Strategy:

The County will:

a. Establish standards with which development in areas defined as significant fish and wildlife habitat must comply, so as to assure the conservation of this habitat.

Applicant's Response:

According to the County's Significant Natural Resources Map for the Rural/Natural Resource Area, a stream (water areas, wetlands, and fish and wildlife habitat) is proximal to the southern boundary of the property. The Map does not show there is any evidence of "significant fish and wildlife habitat" on this property. Future applications for development within proximity of the stream can delineate any associated resource area and protect it as necessary. There is ample space on the property to construct one additional dwelling well outside of this area. Therefore, this criterion is satisfied.

d. Limit the alteration of natural vegetation in riparian zones, and in locations identified as significant water areas and wetlands thereby preserving fish and wildlife habitat.

Applicant's Response:

According to the County's Significant Natural Resources Map for the Rural/Natural Resource Area, a stream (water areas, wetlands, and fish and wildlife habitat) is proximal to the southern boundary of the property. However, there is no evidence of "significant water areas and wetlands" on this property. Future applications for development within proximity of the stream can delineate any associated resource area and protect it as necessary. There is ample space on the property to construct one additional dwelling well outside of this area. Therefore, it is very unlikely that any alteration of this resource will occur. This criterion is satisfied.

6. Policy 13, Scenic Resources, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO PROTECT AND ENHANCE ITS OUTSTANDING SCENIC VIEWS, ROUTES, AND FEATURES.

Applicable Implementing Strategy:

The County will:

a. Implement procedures in its Community Development Code whereby development in the Rural and Natural Areas which may conflict with outstanding scenic resources will be reviewed with the intent of mitigating adverse impacts.

Applicant's Response:

Bald Peak Road, which is approximately 650 feet south of the site's southern most boundary, is designated as a Scenic Route on the Rural/Natural Resources Map. There is ample space on the applicants' property to locate one additional dwelling far enough from the road so as to not negatively impact views from the scenic route.

7. Policy 14, Plan Designations, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO MAINTAIN DISTINCT

COMPREHENSIVE PLAN MAP DESIGNATIONS FOR THE AREA OUTSIDE THE COUNTY'S URBAN GROWTH BOUNDARIES, AND TO PROVIDE LAND USE REGULATIONS TO IMPLEMENT THE DESIGNATIONS.

Applicable Implementing Strategy:

c. Designate Rural Lands, for which a LCDC Goal 2 Exception is provided to LCDC Goals 3 (Agriculture) and 4 (Forestry), in the following manner:

2) All lands which were zoned AF-10 by the 1973 Comprehensive Plan will be designated AF-10 unless the criteria for RR-5 can be met.

Applicant's Response:

The applicant's property is included in Exception Area 131, and was designated AF-10 in accordance with this policy.
Included in this application package are photocopies of historical County Assessor's Tax Maps for the property and surrounding area. Plan of Development (POD) 9, which was adopted by the Board of County Commissioners on December 9, 1969, established the zone for all of Township 2 South, Range 3 West, Section 3 as F-1. The area retained its F-1 zoning designation until the adoption of the County Comprehensive Plan on November 27, 1973 and establishment of the new zoning code on January 24, 1974. At this time all of the properties within Township 2 South, Range 3 West, Section 3 were designated AF-10. County records indicate that the applicants' property was created by deed prior to the adoption of the partitioning ordinance of 1979. Upon adoption of the 1983 Rural Natural Resource Plan, some properties in the vicinity were given AF-5 Designations while others retained the AF-10 designations.

The proposed Plan Amendment will result in a change in the property's Plan Designation from AF-10 to AF-5. The applicants' property is not encumbered by steep topographic characteristics. The site ranges from gentle (3 to 7 percent slopes) to moderate (7 to 12 percent slopes) to moderately steep (12-20 percent slopes), with the majority of the site in the gentle to moderate categories. (Information from the USDA Soil Conservation Service soil survey .) The County GIS shows a gradual slope down from the northwest corner of the site to the southeast corner. This application package also includes evidence that the property is served with a full range of public facilities and services (local street access, fire protection services, school services, public water service, etc).

The Intent and Purpose sections of AF-10 and AF-5 Districts were nearly identical in the 1984 code acknowledged by LCDC The only difference was the following short paragraph added to the AF-10 code :

> "This District is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services." Section 346 -1

Because the subject property was not steep, and because there were adequate public services, the AF-10 designation was not appropriate for this site. In fact, property adjacent to this parcel with

similar topographic features was found by the County to qualify as AF-5 in 1985.[2] Similar features are present on the subject site. Therefore, it is conceivable that this property could just as easily been designated AF-5 under the 1983 Rural Natural Resources Plan.

8. Policy 18, Rural Lands, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO RECOGNIZE EXISTING DEVELOPMENT AND PROVIDE LANDS WHICH ALLOW RURAL DEVELOPMENT IN AREAS WHICH ARE DEVELOPED AND/OR COMMITTED TO DEVELOPMENT OF A RURAL CHARACTER.

Applicable Implementing Strategy:

d. Ensure that proposed development will not adversely affect surrounding agricultural and/or forestry activities by requiring that applicants for residential, commercial or industrial uses on land designated for rural development record a waiver of the right to remonstrate against accepted farm or forestry practices on nearby lands.

Applicant's Response:

The Rodriguez's property is in Exception Area # 131, which encompasses 890.96 acres and included, at the time of adoption, 107 parcels with an average size of 8.3 acres. Section 348 of the Community Development Code requires the recording of a waiver of remonstrance against accepted farm or forest practices as a condition of development in the AF-5 District. Prior to the issuance of a building permit, the property owner will be required to record the waiver of remonstrance.

(These findings also pertain to Statewide Planning Goal 2, Land Use Planning.)

9. Policy 19, Rural Residential Development, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO ALLOW RURAL HOUSING IN RURAL AREAS.

Applicable Implementing Strategies:

a. Adopt and implement three separate residential plan designations that will apply to lands which have developed, or are committed to development, in a rural character. The three plan designations are:

   1. Agriculture and Forest-5 (AF-5);

   2. Agriculture and Forest-10 (AF-10); and

   3. Rural Residential-5 (RR-5).

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[2] The county approved a change from AF-10 to AF-5 on the adjacent property (Tax Lot 818) in 1985, Case File 85-86-M. Noting the similarity of the intent and purpose of the two districts, the staff report stated, "In this case, the site has slopes ranging from 3-30% with 85% of the site in the 3-20% range. All of the public facilities and services are adequate and the site can support AF-5 densities, therefore this request complies with the intent of the AF-5 District." Staff Report, page 10.

In addition, the Development Code may provide for a Rural Planned Development process and certain overlay districts.

b. Through the Community Development Code establish residential land use district regulations which:

1. Contain a minimum lot size appropriate to retain the rural character of the area;

2. Permit as primary uses, residential dwellings and accessory structures, and farm and forest activities; and

3. Contain lot of record provisions.

Applicant's Response:

The Plan Amendment request proposes to change the plan map designation from AF-10 to AF-5, which is an acknowledged residential plan designation that allows for rural housing.

(These findings also pertain to Statewide Planning Goal 2, Land Use Planning.)

10. Policy 22, Public Facilities and Services, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE PUBLIC FACILITIES AND SERVICES IN THE RURAL/NATURAL RESOURCE AREA IN A COORDINATED MANNER, AT LEVELS WHICH SUPPORT RURAL TYPE DEVELOPMENT, ARE EFFICIENT AND COST EFFECTIVE, AND HELP MAINTAIN PUBLIC HEALTH AND SAFETY.

Applicable Implementing Strategy:

a. Review the adequacy of the following public services and facilities in conjunction with new development.

1. Schools

2. Fire and Police Protection

Applicant's Response:

Copies of statements of service availability from the school district, fire protection and police protection service providers to the site are included in the applicants' submittal. These statements are from the Hillsboro School District, Washington County Fire District No. 2, and the Washington County Sheriff's Office. Each of these service providers have stated that service levels are adequate to serve future development that could occur if this plan amendment is approved. Additionally, a supplemental questionnaire prepared by Washington County specific to school and fire protection services has been completed by the appropriate service providers. This documentation is included in the submittal materials.

Appropriate well log research has been conducted to demonstrate the adequacy of water supply. This information is included in the submittal materials. The applicant has also included a positive service availability statement from the Laurelwood Water District demonstrating that adequate water supply is available. Therefore, redundancy has been established with regard to water supply for this property.

The County is responsible under Implementing Strategy (a) of Policy 22 for reviewing the adequacy of public facilities and services in conjunction with new development. The hearings officer for LCDC found in the 1988 Enforcement Order proceedings that "(T)the County must have evidence in the record showing that the service provider is accurate in its assessment."

The applicants have met their burden of proof by providing documentation demonstrating that all affected service providers in the area can provide an adequate level of service to future development that may occur on the subject property if the proposed plan amendment is approved. Therefore, the proposal complies with Policy 22.

(These findings also pertain to Statewide Planning Goal 11.)

D. Washington County 2020 Transportation Plan

Policy 1: Travel Needs Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE A MULTI-MODAL TRANSPORTATION SYSTEM THAT ACCOMMODATES THE DIVERSE TRAVEL NEEDS OF WASHINGTON COUNTY RESIDENTS AND BUSINESSES.

1.1 Provide a multi-modal transportation system that supports the land uses delineated in the County's and other applicable comprehensive plans, minimizes reliance on any single travel mode, and makes progress toward achieving mode share targets identified in Strategy 5.3 of this Plan.

1.2 Provide a transportation system that meets the mobility and accessibility needs of Washington County residents and businesses, including movement of goods and services, as defined by performance standards identified in Table 5 of this Plan.

1.3 Provide an interconnected transportation network that effectively links subareas of the County and the regional system, encourages non-auto travel and minimizes out-of direction travel through appropriate sizing and spacing of its major elements, and which, when properly managed in conjunction with other strategies in the Plan, reduces growth in vehicular miles traveled per capita.

1.4 Provide a transportation system with facilities that are accessible to all people, complying in the process with applicable provisions of the Americans With Disabilities Act (ADA),

1.5 Encourage and support transportation services that meet the needs of the transportation disadvantaged, including children, elderly and low-income area residents as provided for in the Regional Transportation Plan.

In addition, the Development Code may provide for a Rural Planned Development process and certain overlay districts.

b. Through the Community Development Code establish residential land use district regulations which:

1. Contain a minimum lot size appropriate to retain the rural character of the area;

2. Permit as primary uses, residential dwellings and accessory structures, and farm and forest activities; and

3. Contain lot of record provisions.

Applicant's Response:

The Plan Amendment request proposes to change the plan map designation from AF-10 to AF-5, which is an acknowledged residential plan designation that allows for rural housing.

(These findings also pertain to Statewide Planning Goal 2, Land Use Planning.)

10. Policy 22, Public Facilities and Services, states:

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE PUBLIC FACILITIES AND SERVICES IN THE RURAL/NATURAL RESOURCE AREA IN A COORDINATED MANNER, AT LEVELS WHICH SUPPORT RURAL TYPE DEVELOPMENT, ARE EFFICIENT AND COST EFFECTIVE, AND HELP MAINTAIN PUBLIC HEALTH AND SAFETY.

Applicable Implementing Strategy:

a. Review the adequacy of the following public services and facilities in conjunction with new development.

1. Schools

2. Fire and Police Protection

Applicant's Response:

Copies of statements of service availability from the school district, fire protection and police protection service providers to the site are included in the applicants' submittal. These statements are from the Hillsboro School District, Washington County Fire District No. 2, and the Washington County Sheriff's Office. Each of these service providers have stated that service levels are adequate to serve future development that could occur if this plan amendment is approved. Additionally, a supplemental questionnaire prepared by Washington County specific to school and fire protection services has been completed by the appropriate service providers. This documentation is included in the submittal materials.

Appropriate well log research has been conducted to demonstrate the adequacy of water supply. This information is included in the submittal materials. The applicant has also included a positive service availability statement from the Laurelwood Water District demonstrating that adequate water supply is available. Therefore, redundancy has been established with regard to water supply for this property.

The County is responsible under Implementing Strategy (a) of Policy 22 for reviewing the adequacy of public facilities and services in conjunction with new development. The hearings officer for LCDC found in the 1988 Enforcement Order proceedings that "(T)the County must have evidence in the record showing that the service provider is accurate in its assessment."

The applicants have met their burden of proof by providing documentation demonstrating that all affected service providers in the area can provide an adequate level of service to future development that may occur on the subject property if the proposed plan amendment is approved. Therefore, the proposal complies with Policy 22.

(These findings also pertain to Statewide Planning Goal 11.)

D. Washington County 2020 Transportation Plan

Policy 1: Travel Needs Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE A MULTI-MODAL TRANSPORTATION SYSTEM THAT ACCOMMODATES THE DIVERSE TRAVEL NEEDS OF WASHINGTON COUNTY RESIDENTS AND BUSINESSES.

1.1 Provide a multi-modal transportation system that supports the land uses delineated in the County's and other applicable comprehensive plans, minimizes reliance on any single travel mode, and makes progress toward achieving mode share targets identified in Strategy 5.3 of this Plan.

1.2 Provide a transportation system that meets the mobility and accessibility needs of Washington County residents and businesses, including movement of goods and services, as defined by performance standards identified in Table 5 of this Plan.

1.3 Provide an interconnected transportation network that effectively links subareas of the County and the regional system, encourages non-auto travel and minimizes out-of direction travel through appropriate sizing and spacing of its major elements, and which, when properly managed in conjunction with other strategies in the Plan, reduces growth in vehicular miles traveled per capita.

1.4 Provide a transportation system with facilities that are accessible to all people, complying in the process with applicable provisions of the Americans With Disabilities Act (ADA),

1.5 Encourage and support transportation services that meet the needs of the transportation disadvantaged, including children, elderly and low-income area residents as provided for in the Regional Transportation Plan.

1.6 Ensure that progress toward meeting travel needs in Washington County is financially, environmentally, geographically and modally balanced as defined by Plan implementation and management priorities.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site.

It is anticipated that the current transportation system in place will easily support the one additional home site (9.57 ADT) resulting from the proposed change in Land Use Designation from AF-10 to AF-5. According to Table 5, this area does not fall into a "Deficiency Area" as identified by the 2020 Transportation Plan. It is anticipated that the addition of 9.57 ADT to the rural transportation system serving the applicants property will not impact, negatively or otherwise, the mobility and/or accessibility needs of Washington County residents and/or businesses.

This rural area with widely dispersed homesites and businesses is heavily automobile dependent and offers little in the way of non-automobile transportation options. Per the Transit System Element, mass transit, in any form, is unavailable to the area. The applicants' property is not located within or in proximity to a rural pedestrian Activity Area or off-street trails identified in the Pedestrian Element. The property is not located adjacent to or in proximity to rural bikeways identified in the Bicycle Element. While the applicants understand and appreciate the Transportation Plan's Policy 1 goal of developing local non-auto transportation, the applicants do not believe that this goal is directly applicable in any meaningful way to the proposal.

Policy 2: System Safety Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO PROVIDE A TRANSPORTATION SYSTEM THAT IS SAFE.

2.1 Ensure systems supporting motor vehicle, bus, bicycle and pedestrian travel are structurally and operationally safe.

2.2 Periodically conduct the review necessary to identify and correct transportation facility and system design and operation problems.

2.3 Identify solutions for safety problems utilizing design standards that provide or preserve the intended multi-modal function of system facilities as defined in the Transportation Plan.

2.4 Identify and prioritize transportation system safety capital improvement projects through the Washington County Transportation Capital Improvement Program.

2.5 Program transportation system maintenance expenditures through the annual Washington County Road Maintenance Program to ensure that systems supporting all modes of travel are maintained in a safe condition.

2.6 Work with other agencies and organizations to provide educational programs that improve public understanding of safe and efficient use of the transportation system.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants' to partition their 10-acre property and ultimately construct one additional home on the site.

It is not anticipated that the addition of 9.57 ADT resulting from the proposed one additional home site will negatively impact the safety of the transportation system that serves the applicants property. SW Whitmore Road is structurally and operationally safe for the purposes of Policy 2 of the Washington County Transportation Plan. An adjacent property that also accesses SW Whitmore Road was recently approved for a three-parcel partition through Casefile 06-047-P. In response to Article V Section 501-9 of the Community Development Code, Page 5 of the Staff Report states "SW Whitmore Road terminates approximately 2400 feet from the subject site. Since the access point is located at the terminus of SW Whitmore Road, no access permit or sight distance review is required." This property also accesses SW Whitmore Road. Therefore, access and or sight distance issues will not be an issue for any future land division or home construction for this property.

In any case, a Traffic Impact Statement has been submitted to the County. The applicants do not anticipate that the proposed addition of one home (9.57 ADT) will affect the current condition of the local roads or the structural and/or operational safety of the local transportation network.

Policy 4: System Funding Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO AGGRESSIVELY SEEK ADEQUATE AND RELIABLE FUNDING FOR TRANSPORTATION FACILITIES AND SERVICES, AND TO ENSURE THAT FUNDING IS EQUITABLY RAISED AND ALLOCATED.

4.1 Develop funding mechanisms adequate to support the Transportation Plan, that provide resources in a manner that is consistent with Plan policies, and in cases where improvements are jointly funded, consistent with the priorities and policies of other involved jurisdictions.

4.2 Address transportation system maintenance and operations needs through financing mechanisms that recognize the primary responsibility of system users, distinguishing between countywide and local responsibilities.

4.3 Recognize that addressing transportation system needs on local government facilities is primarily the financial responsibility of Washington County residents, businesses and system users who create those needs.

4.4 Provide a transportation system improvement funding structure in which the benefits from tax- and fee-funded improvements and services accrue to those who pay for them.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site. This rural area, with widely dispersed home sites and businesses, is heavily automobile dependent.

It is anticipated that the current transportation system in place will easily support the one additional home site (9.57 ADT) resulting from the proposed change in Land Use Designation from AF-10 to AF-5. According to Table 5, this area does not fall into a "Deficiency Area" as identified by the 2020 Transportation Plan. It is anticipated that the addition of 9.57 ADT to the rural transportation system serving to the applicants' property will not impact, negatively or otherwise, the mobility and/or accessibility needs of Washington County residents and/or businesses. Likewise, it is not anticipated that the addition of one home site (9.57 ADT) will necessitate any improvements to the public road network.

Through fees and taxes the applicant will contribute to transportation system maintenance and operations: The applicants will pay the Traffic Impact Fee for maintenance of nearby arterial and collector streets, and additional future residents may be responsible for MSTIP monies for future capacity improvement funding implemented through property taxes.

Policy 5: System Implementation and Plan Management Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO EFFICIENTLY IMPLEMENT THE TRANSPORTATION PLAN AND TO EFFICIENTLY MANAGE THE TRANSPORTATION SYSTEM.

5.1 Provide a transportation system that accommodates travel demand consistent with applicable performance standards for all modes of travel, recognizing a need to minimize or mitigate impacts on existing neighborhoods.

5.2 Efficiently manage the allocation of County resources for capital projects through the Washington County Transportation Capital Improvements Program.

5.3 Implement plan strategies that are necessary to make progress toward achieving the 2040 Regional Non-Single Occupant Vehicle mode share targets prescribed in the Regional Transportation Plan, these being 45-55 percent in Regional Centers, Town Centers, Main Streets, Light Rail Station Areas and Corridors; and 40-45 percent in Industrial and Employment areas, Inner and Outer neighborhoods and for Intermodal facilities.

5.4 Efficiently manage County resources for transportation system maintenance and preservation through the Washington County Road Operations and Maintenance Program.

5.5 Develop a long-term financial strategy that supports cost-effective and timely implementation of transportation system capital improvement and operations and maintenance programs.

5.6 Communicate and coordinate with other jurisdictions and transportation agencies to ensure orderly and efficient development and operation of the system as a whole and that applicable federal, state and regional planning directives are met.

5.7 Develop, emphasize and support plan transportation demand management and demand reduction strategies as mechanisms for reducing vehicle trips and shifting travel to off-peak travel periods.

5.8 Develop, emphasize and support transportation system management strategies as mechanisms for maximizing transportation system operating efficiency.

5.9 Research, develop and implement new technologies that improve transportation services.

5.10 Encourage the identification of issues in the plan monitoring process that may not be adequately addressed during plan implementation, and address these issues through plan amendments or the next plan update.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site. It is not anticipated that the addition of 9.57 ADT resulting from one additional home site will negatively impact the safety of the transportation system or the surrounding neighborhood.

Through fees and taxes the applicant will contribute to transportation system maintenance and operations. The applicants will pay the Traffic Impact Fee for maintenance of nearby arterial and collector streets, and additional future residents may be responsible for MSTIP monies for future capacity improvement funding implemented through property taxes.

This rural area, with widely dispersed homesites and businesses, is heavily automobile dependent and offers little in the way of non-automobile transportation options. Per the Transit System Element, mass transit, in any form, is unavailable to the area. The applicants' property is not located within or in proximity to a rural pedestrian Activity Area or off-street trails identified in the Pedestrian Element. The property is not located adjacent to or in proximity to rural bikeways identified in the Bicycle Element. It is anticipated that the current transportation system will accommodate the travel demand, consistent with applicable performance standards, of the proposed addition of one home site to the area (9.57 ADT).

Policy 6: Roadway System Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO ENSURE THAT THE ROADWAY SYSTEM IS DESIGNED IN A MANNER THAT ACCOMMODATES THE DIVERSE TRAVEL NEEDS OF ALL USERS OF THE TRANSPORTATION SYSTEM.

6.1 Provide a roadway system necessary to support travel demand associated with anticipated future development of land uses identified in the County's Comprehensive Plan at or better than the standards identified in Table 5 and consistent with policies identified in this plan.

6.2 Design and implement a roadway system with characteristics necessary to encourage and support non-auto travel and not negatively impact neighborhoods.

6.3 Identify and implement projects necessary to improve performance and reduce system design deficiencies in roadway corridors and segments that are operating or forecasted to operate at less than acceptable standards as identified in Table 5.

6.4 Implement the roadway system in a manner that enhances accessibility by all modes by developing projects necessary to address access deficiencies.

6.5 Implement the roadway system to provide access to choices for transportation disadvantaged people, including youth, elderly and disabled. Provide barrier free roadways and other transportation facilities that comply with the Americans with Disabilities Act of 1990. Identify and assess structural barriers for transportation-disadvantaged populations in the current transportation system, and address these through a comprehensive program.

6.6 Design and manage the transportation system to minimize excessive traffic volumes and speeds on Neighborhood Routes and Local streets, while maintaining adequate neighborhood access.

6.7 Develop County Street Design standards, as appropriate, consistent with the Regional Transportation Plan and Metro's publication entitled 'Creating Livable Streets – Street Design Guidelines for 2040'.

6.8 Until the revisions contemplated in Strategy 6.7, above, are completed, consider the street design characteristics set forth in the Regional Transportation Plan and Metro's publication entitled 'Creating Livable Streets – Street Design Guidelines for 2040' during development review and project development, when construction or reconstruction is proposed on roadway segments and intersections identified on the Regional Street Design Overlay Map, either in association with private development or as part of a public project.

6.9 Identify and prioritize roadway capital improvements through the Transportation Capital Improvement Program.

6.10 Identify and mitigate potential impacts of roadway system improvement projects on the built and natural environments utilizing the transportation project development and development review processes.

6.11 Require new development or redevelopment projects to comply with local street connectivity, access management, parking and other applicable regulations in the Community Development Code, the Community Plans and the Rural/Natural Resource Plan.

6.12 There continues to be considerable discussion in the Washington County community about how best to define and address north-south circulation and capacity needs in the western urban areas – between Hillsboro and the Tualatin/Sherwood area. This Plan identifies these needs and the facilities, programs and services necessary to accommodate them in a manner that is consistent with State, Regional and other local government transportation plans. This approach includes planned construction of numerous large projects within the Urban Growth Boundary and requires acceptance of several "deficiency areas" throughout the County.

In recognition of the substantial debate over whether alternative ways to define and meet these north-south circulation needs have been adequately explored, the Board has determined that additional attention should be given to this issue. This study should examine the effects of commuter rail and all other possible improvements along existing and proposed roads or

corridors, including the possibility of a north-south circumferential highway. The Study should also consider, among other things, relevant land use laws, regulations, goals and objectives. If the Study recommends amendments to the Transportation Plan and identifies new projects not found in the 2002 version of the County's Transportation Plan, these issues should be addressed during a future appropriate ordinance period and in coordination with other affected planning agencies.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site.

Table 5 of the 2020 Transportation Plan does not identify the site and surrounding access roads as "Deficiency Areas". Likewise, the 2040 "Growth Concept" plan does not identify the site and surrounding access roads as areas of importance and/or concern. An adjacent property that also accesses SW Whitmore Road was recently approved for a three-parcel partition through Casefile 06-047-P. In response to Article V Section 501-9 of the Community Development Code, Page 5 of the Staff Report states "SW Whitmore Road terminates approximately 2400 feet from the subject site. Since the access point is located at the terminus of SW Whitmore Road, no access permit or sight distance review is required." This property also accesses SW Whitmore Road. Therefore, access and or sight distance issues will not be an issue for any future land division or home construction for this property.

This rural area, with widely dispersed homesites and businesses, is heavily automobile dependent and offers little in the way of non-automobile transportation options. Per the Transit System Element, mass transit, in any form, is unavailable to the area. The applicants' property is not located within or in proximity to a rural pedestrian Activity Area or off-street trails identified in the Pedestrian Element. The property is not located adjacent to or in proximity to rural bikeways identified in the Bicycle Element. It is anticipated that the current transportation system will accommodate the travel demand, consistent with applicable performance standards, of the proposed addition of one home site to the area (9.57 ADT). It is not anticipated that the addition of one home site (9.57) will necessitate any improvements to the public road network.

Local street connectivity, access management and availability of parking are not typically issues that are problematic associated with rural partitions. As these issues are applicable to any future development of the property, they shall be addressed at such time as an application for development is submitted.

Policy 10: Functional Classification Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO ENSURE THE ROADWAY SYSTEM IS DESIGNED AND OPERATES EFFICIENTLY THROUGH USE OF A ROADWAY FUNCTIONAL CLASSIFICATION SYSTEM.

10.1 Apply the Washington County roadway system functional classification system described below and illustrated in the Functional Classification System Map.

Functional Classification Descriptions:

F. **Local Streets** primarily provide direct access to adjacent land. While Local streets are not intended to serve through traffic, the aggregate effect of local street design impacts the effectiveness of the Arterial and Collector system when local travel is restricted by a lack of connecting routes, and local trips are forced onto the Arterial street network. Local street connectivity maps in the Community Plans identify new local street connections that are required by the Community Development Code in conjunction with new development. Rural local roads may be miles long because of large parcels and a relatively sparse street network. Many rural local roadways are unpaved (gravel) and serviceability can vary with rainfall and maintenance. Rural local roads provide direct access to a variety of rural land uses including agriculture, forestry, quarry activities, low-density rural residential uses as well as rural commercial and industrial uses. An objective of this Transportation Plan is to minimize the impacts of urban travel on rural land uses.

Rural Local street characteristics include:

- Paved or oftentimes-unpaved surfaces
- Narrow lane widths with roadside ditches to provide drainage
- No access control and access points spaced far apart
- Lack of traffic calming measures, sidewalks and illumination

10.2 Special Area Streets are identified on the Special Area Street Overlay Map as well as in the Community Plans. Special Area Street design standards are included in the Washington County Uniform Road Improvement Design Standards.

10.3 Utilize some or all of the following criteria for defining or modifying functional classification: the extent of connectivity, length of roadway, the spacing or frequency of facilities, land use along the roadway and traffic characteristics.

10.4 Determine ultimate street design requirements based on a facility's designation in the Road Lane Numbers Map, the Planned Bicycle System Map, the Pedestrian System Map, the Transit System Map, the Through-truck Route Map and considering the Regional Street Design Overlay Map.

10.5 Utilize a facility's ultimate design requirements as defined in Strategy 10.4 to establish conditions of approval for private development projects.

10.6 Analysis and design for proposed new road alignments will be performed as funds become available or when development applications for affected property are received.

10.7 Additional Neighborhood Routes and Special Area Local Streets will be identified through the development review process.

10.8 Resolve conflicts between the Transportation Plan and transportation elements of Community Plans or the Rural/Natural Resource Plan in favor of the Transportation Plan.

10.9 Recognize that the functional classification system represents a continuum in which through traffic increases and provisions for access decrease in the higher classification categories. On higher classification roadways, access management will be implemented through the Community Plans and the Community Development Code.

10.10 The Transportation Plan also identifies several specific study areas where the function or alignment of the facility has not been determined. These study areas are described below and shown on the Study Area Map.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site.

The Washington County functional classification system identifies Whitmore Road as a (paved) rural local street, which supports a low volume of traffic. Whitmore Road is not identified as a Special Area Street on the Special Area Street Overlay Map or in the Community Plans.

It is not anticipated that one additional home site (9.57 ADT) will negatively impact Whitmore Road's current ability to serve as a functioning rural local street. Likewise, it is not anticipated that the addition of one home site will necessitate any improvements to the public road network. As Whitmore Road is designated as a rural local street, access management is generally not an issue. A Traffic Impact Statement request has been submitted, which will provide conclusive information on the state of and potential impacts on Whitmore Road.

The 2020 Transportation Plan (Study Area Map) does not identify the subject site or surrounding access roads as a specific study area or contain a road alignment of any sort.

Policy 19: Transportation Planning Coordination and Public Involvement Policy

IT IS THE POLICY OF WASHINGTON COUNTY TO COORDINATE ITS TRANSPORTATION PLANNING WITH LOCAL, REGIONAL, STATE AND FEDERAL AGENCIES AND TO PROVIDE OPPORTUNITIES FOR CITIZENS TO PARTICIPATE IN PLANNING PROCESSES.

19.1 Participate in the regional and state technical and policy decision-making processes.

19.2 Work with the Washington County Coordinating Committee (WCCC) and the WCCC Transportation Advisory Committee (WCCC TAC) as the primary advisory bodies for countywide transportation coordination with cities in Washington County.

19.3 Involve the public in updating and implementing the Plan by keeping business groups, area employers, citizen participation organizations, neighborhood associations and citizens at large informed, and by providing opportunities for citizens to participate in Plan review and implementation processes.

19.4 Make specific efforts to involve populations that are traditionally underserved by the existing transportation system or underrepresented in transportation planning and plan implementation processes.

19.5 Work to integrate the findings and recommendations of this Plan with the Regional Transportation Plan where feasible. In locations with persistent problems, work with regional

and state agencies and local jurisdictions to develop effective means of alleviating these problems.

19.6 Coordinate with other agencies and organizations to establish adequate, uniform and equitable methods for funding local transportation system needs.

19.7 Coordinate with other jurisdictions in Washington County to achieve consistency of roadway design standards.

19.8 Bring those deficiencies that have an adverse impact on Washington County facilities to the attention of other jurisdictions.

19.9 Review and consider the transportation system impacts of planning work and, on a case by case basis, land development actions taken by other local jurisdictions and transportation agencies after the Transportation Plan is adopted.

19.10 Periodically review the Transportation Plan to consider incorporating the work of local jurisdictions and transportation agencies.

19.11 Integrate the applicable provisions of the Oregon Transportation Planning Rule, Metro's Regional Transportation Plan and 2040 Growth Concept and the applicable provisions of Metro's Urban Growth Management Functional Plan into the Transportation Plan, Community Plans and Community Development Code.

19.12 Work with other jurisdictions to define a decision-making process through which transportation project development issues associated with conflicting, competing or confusing inter-jurisdictional interests and responsibilities can be identified and addressed.

19.13 Review all plan amendment requests for consistency with the applicable provisions of the Transportation Planning Rule as set forth in OAR 660-12-060.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site.

Through the Washington County Plan Amendment application process, the general public and local communities are involved at multiple times and through multiple procedures. Notices are mailed to neighbors and a public hearing will be held.

In reference to Policy Strategy 19.13, OAR 660-12-0060 "Plan and Land Use Regulation Amendments" states:

> *(1) Where an amendment to a functional plan, an acknowledged comprehensive plan, or a land use regulation would significantly affect an existing or planned transportation facility, the local government shall put in place measures as provided in section (2) of this rule to assure that allowed land uses are consistent with the identified function, capacity, and performance standards (e.g. level of service, volume to capacity ratio, etc.) of the facility. A plan or land use regulation amendment significantly affects a transportation facility if it would:*

(a) Change the functional classification of an existing or planned transportation facility (exclusive of correction of map errors in an adopted plan);

(b) Change standards implementing a functional classification system, or

(c) As measured at the end of the planning period identified in the adopted transportation system plan:

(A) Allow land uses or levels of development that would result in types or levels of travel or access that are inconsistent with the functional classification of an existing or planned transportation facility;

(B) Reduce the performance of an existing or planned transportation facility below the minimum acceptable performance standard identified in the TSP or comprehensive plan, or

(C) Worsen the performance of an existing or planned transportation facility that is otherwise projected to perform below the minimum acceptable performance standard identified in the TSP or comprehensive plan.

Applicant's Response:

The applicants are requesting approval to amend the County Comprehensive Plan Land Use District Designation from AF-10 to AF-5. This would permit the applicants to partition their 10-acre property and ultimately construct one additional home on the site.

As permitted uses in the AF-10 and AF-5 Districts are similar, changes that would result in types and/or levels of travel and/or access that would be inconsistent with the existing functional classification of Whitmore Road (paved, rural local street) will not occur. A future additional home site resulting in an additional 9.57 ADT will not reduce or worsen the performance on the local transportation network below the minimum acceptable performance standard, identified in the TSP or Comprehensive Plan. The applicants do not anticipate that the proposed Plan Amendment will result in any changes to the transportation facility in place, and therefore there shall be no "affected" transportation facility and service providers and/or other affected local governments. The applicants have submitted a Traffic Impact Statement request to Washington County, which will provide further information on the projected impact, or lack of, resulting from the proposed Plan Amendment.

Based on the above-noted information, the applicants do not believe that the remainder of OAR 660-12-0060 is pertinent to this application.

E. Washington County Community Development Code

Section 346: Agriculture and Forest District (AF-10)

346-1 Intent and Purpose:

The AF-10 District is intended to retain an area's rural character and conserve the natural resources while providing for rural residential use in areas so designated by the Comprehensive Plan.

The purpose of this agricultural and forestry district is to promote agriculture and forest uses on small parcels in the rural area, while recognizing the need to retain the character and economic viability of agricultural and forest lands, as well as recognizing that existing parcelization and diverse ownerships and uses exist within the farm and forest area. Residents of rural residential tracts shall recognize that they will be subject to normal and accepted farming and forestry practices.

This District is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services.

Applicant's Response:

The applicants' 10.17 acre property is currently designated AF-10 and is improved with one single-family residence and an accessory structure. These residential uses are clearly permitted in the AF-10 District. The intent and purpose statements of the AF-10 and AF-5 Districts are identical except for the last sentence in the AF-10 code. As previously noted, this property better fits the description for AF-5 land as it does not match the description of rural land for which AF-10 is the appropriate designation. The property is not encumbered by steep topographic characteristics. The site ranges from gentle (3 to 7 percent slopes) to moderate (7 to 12 percent slopes) and moderately steep (12 to 20%). This application package includes evidence that the property is served with a full range of public facilities and services (local street access, fire protection services, school services, public water service, etc). Therefore, it is conceivable that this property could just as easily been designated AF-5 by the 1983 Rural Natural Resources Plan.

The proposed Plan Amendment will result in a change in the property's Plan Designation from AF-10 to AF-5.

Section 348: Agriculture and Forest District (AF-5):

348-1 Intent and Purpose:

The AF-5 District is intended to retain an area's rural character and conserve the natural resources while providing for rural residential use in areas so designated by the Comprehensive Plan.

The purpose of this agricultural and forestry district is to promote agricultural and forest uses on small parcels in the rural area, while recognizing the need to retain the character and economic viability of agricultural and forest lands, as well as recognizing that existing parcelization and diverse ownerships and uses exist within the farm and forest area. Residents of rural residential tracts shall recognize that they will be subject to normal and accepted farming and forestry practices.

Applicant's Response:

The proposed Plan Amendment will result in a change in the property's Plan Designation from AF-10 to AF-5.

The ultimate result of the requested Plan Amendment may be the addition of one additional single-family residence to this ten-acre site. Such an addition is consistent with the area's rural character, which is comprised of two to fifteen acre properties supporting dispersed home-sites and small tract agricultural use. The proposed Plan Amendment provides for rural residential use and will not affect the off-site Significant Natural Resource designation on the abutting property to the south. This request is therefore consistent with the intent of the AF-5 District.

Section 421: Flood Plain and Drainage Hazard Area Development

421-1 Lands Subject to Flood Plain and Drainage Hazard Area Standards

421-1.1 The maps entitled "Flood Plain Series, Washington County, Oregon" Revision 5/01/74, 1/03/78, 1/81 and 5/25/83 and 12/12/83 based upon data from the U.S. Army Corps of Engineers; U.S.G.S.; U.S.B.; S.C.S.; and Washington County, together with the Flood Insurance Rate Maps, with amendments, and the "Flood Insurance Study for Washington County," with amendments, including the Flood Boundary and Floodway Map, as provided for in the regulations of the Federal Emergency Management Agency (FEMA) (44 CFR part 59-60) hereby are adopted by reference as setting forth the flood plain, floodway and drainage hazard areas of Washington County. But where the maps are not available, the Director may use any base flood elevation and floodway data available from a federal or state source, or any other authoritative source, to determine the boundaries of the flood plain, floodway and drainage hazard areas of Washington County.

Applicant's Response:

According to the County's Significant Natural Resources Map for the Rural/Natural Resource Area, a stream (water areas, wetlands, and fish and wildlife habitat) is proximal to the southern boundary of the property, but the site is not within an area prone to flooding.

421-1.2 Recognizing that the scale may be such that the true and accurate flood plain or drainage hazard area cannot be determined from the maps referenced in Section 421-1.1 alone, all persons seeking a Development Permit for lands within said areas and two-hundred-fifty (250) feet of the map boundary of a flood plain or drainage hazard area identified in Section 421-1.1 except as noted below for land divisions and property line adjustments, shall submit with the Development Permit application.

C. Land divisions and property line adjustments outside the UGB may provide only generalized flood plain information, such as contour maps and aerial photos, which need not be prepared by an engineer. Notwithstanding this provision, for the purpose of implementing the requirements of Section 421-14.7, applicants may be required to submit detailed delineations as specified in 421-1.2 A. and B.

Applicant's Response:

A contour map, aerial photograph of the site, and conceptual site plan are included in the submittal materials. These documents demonstrate that it is unnecessary for work to occur within

250 feet of the off-site drainageway in order accommodate an additional dwelling on the property.

SUMMARY AND CONCLUSION:

The applicants are requesting a Plan Amendment approval from AF-10 to AF-5 for their property in rural Washington County. Approval of this request would enable the applicants to partition their land. The site is within a physically developed and committed area (Exception Area # 131). The evidence and analysis provided in this application adequately demonstrates that the subject property meets the intent of the AF-5 district in terms of topography and adequacy of public facilities and services. This evidence and analysis also demonstrate that the proposed plan amendment is consistent with applicable policies and strategies of the Statewide Planning Goals, Rural/Natural Resource Plan, the 2020 Transportation Plan, and the Washington County Community Development Code. The applicants therefore respectfully request that this Plan Amendment be approved.

WASHINGTON COUNTY
DEPARTMENT OF LAND USE AND TRANSPORTATION
PLANNING DIVISION
ROOM 350-14
155 NORTH FIRST AVENUE
HILLSBORO, OREGON 97124
(503) 846-3519

PLAN AMENDMENT APPLICATION

PROCEDURE TYPE III (QUASI-JUDICIAL PUBLIC HEARING)

CPO: 10

COMMUNITY PLAN: Rural / Natural Resource

EXISTING LAND USE DISTRICT(S):
AF10

PROPERTY DESCRIPTION
ASSESSOR MAP NO(S): 2S 3 03
TAX LOT NO(S): 807
SITE SIZE: 10.17
ADDRESS: 13200 SW WHITMORE Rd.
LOCATION: HILLSBORO, OR 97123
X STREET Bald Peak

CASEFILE NO.

APPLICANT NAME AND ADDRESS: Joseph A. & BARBARA M. RODRIGUEZ

APPLICANT'S REPRESENTATIVE AND ADDRESS: TBD
PO Box 790
Warrenton, OR 97146

OWNER'S NAME AND ADDRESS: Joseph & BARBARA RODRIGUEZ
PO Box 790
Warrenton, OR 97146

~~APPLICANT~~ PHONE: 503.628.1073 Home
503.679.0656 Cell

OWNER PHONE: 503.738.3829

ALSO NOTIFY:

PROPOSED PLAN AMENDMENT: Change from AF10 to AF5 with a Goal 2 Exception to Goal 14 to ~~the~~ enable a 2 lot partition

DATE OF PRE-APPLICATION CONFERENCE (Attach copy of summary): 2/9/06

STAFF MEMBER: Asha Willits

EXISTING USE OF THE SITE: AF10 - 1 Lot with a house

LIST ASSESSOR MAP AND TAX LOT NUMBERS OF ALL CONTIGUOUS LOTS OR PARCELS UNDER IDENTICAL OWNERSHIP:
818, 803, 817, 813, 1202, 1203, 1200, 1201, 1204

LIST ALL PREVIOUS DEVELOPMENT REQUESTS, LAND USE ACTIONS AND DATES OR PREVIOUS ACTIONS RELATING TO THE SUBJECT PROPERTY: PREVIOUS CASEFiles: 37CL0234, 81-145-V

WE, THE UNDERSIGNED HEREBY AUTHORIZE THE FILING OF THIS APPLICATION AND CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION IS COMPLETE AND CORRECT TO THE BEST OF OUT KNOWLEDGE.

Joseph A. Rodriguez 2/13/06
☒ OWNER ☐ CONTRACT PURCHASER / DATE

Barbara N Rodriguez 2/12/06
☒ OWNER ☐ CONTRACT PURCHASER DATE

☐ OWNER ☐ CONTRACT PURCHASER DATE

☐ OWNER ☐ CONTRACT PURCHASER DATE

NOTES:

- THIS APPLICATION MUST BE SIGNED BY ALL THE OWNERS OR ALL THE CONTRACT PURCHASERS OF THE SUBJECT PROPERTY, AS DEFINED BY THE COMMUNITY DEVELOPMENT CODE, SECTION 106-149.
- IF THIS APPLICATION IS SIGNED BY THE CONTRACT PURCHASER(S), THE CONTRACT PURCHASER(S) IS (ARE) CERTIFYING THAT THE CONTRACT VENDOR HAS BEEN NOTIFIED OF THE APPLICATION.
- THE APPLICANT OR A REPRESENTATIVE SHOULD BE PRESENT AT ALL PUBLIC HEARINGS.
- NO APPROVAL WILL BE EFFECTIVE UNTIL THE APPEAL PERIOD HAS EXPIRED.
- AN APPROVAL OR DENIAL OF THIS REQUEST MAY BE OVERTURNED ON APPEAL.

WASHINGTON COUNTY
DEPARTMENT OF LAND USE AND TRANSPORTATION
PLANNING DIVISION
ROOM 350-14
155 NORTH FIRST AVENUE
HILLSBORO, OREGON 97124
(503) 846-3519 fax: (503)846-4412

PLAN AMENDMENT PRE-APPLICATION CONFERENCE SUMMARY

PRE-APPLICANT:
Joe Rodriguez
PO Box 790
Warrenton OR 97146

PROPERTY OWNER:
Joe & Barbara Rodriguez
PO Box 790
Warrenton OR 97146

PROCEDURE TYPE III

CPO: 10

COMMUNITY PLAN: Rural/Natural Resource

EXISTING LAND USE DISTRICT(S):
AF-10

PROPERTY DESCRIPTION:
ASSESSOR MAP NO(S): 2S3 03
TAX LOT NO(S): 807
SITE SIZE: 10.17
ADDRESS: 13200 SW Whitmore Rd.
LOCATION:

PROPOSED PLAN AMENDMENT: change to AF-5. Requires a Goal 2 exception to Goal 14.

DATE OF PRE-APPICATION CONFERENCE: 2/9/06 **PRE-APPLICANT PHONE:** 503-730-8329

STAFF MEMBER: Aisha Willits 503-846-3961

APPLICATION SUBMITTAL DEADLINE AND OTHER APPLICABLE REQUIREMENTS:
FEBRUARY 15(generally) for SPRING/SUMMER HEARINGS **AUGUST 15(generally) for FALL/WINTER HEARINGS**

(NOTE: AN APPLICATION WILL NOT BE SCHEDULED FOR A PUBLIC HEARING UNTIL IT IS ACCEPTED AS COMPLETE. A COMPLETE APPLICATION ADDRESSES ALL APPLICABLE PROVISIONS OF THE VARIOUS COMPREHENSIVE PLAN ELEMENTS AND OTHER APPLICABLE REQUIREMENTS, AND HAS ALL NECESSARY FORMS FILLED OUT COMPLETELY AND CORRECTLY, AND INCLUDES THE SPECIFIED FEE DEPOSIT AND THE CONTRACT SIGNED BY THE OWNER AGREEING TO PAYMENT OF ALL COSTS ASSOCIATED WITH APPLICATION PROCESSING.)

APPLICABLE POLICIES AND REGULATIONS

URBAN COMPREHENSIVE FRAMEWORK PLAN OR RURAL/NATURAL RESOURCE PLAN CONSIDERATIONS:
DEMONSTRATE CONFORMANCE WITH THE FOLLOWING POLICIES AND APPLICABLE IMPLEMENTING STRATEGIES UNDER THESE POLICIES: 1.P.2, 2, 6, 10, 14, 18, 19, 22, 23

TRANSPORTATION PLAN CONSIDERATIONS:
DEMONSTRATE CONFORMANCE WITH THE FOLLOWING POLICIES AND APPLICABLE IMPLEMENTING STRATEGIES UNDER THESE POLICIES: 1, 2, 4, 5, 6, 10, 19

COMMUNITY PLAN CONSIDERATIONS (URBAN AREA ONLY):
DEMONSTRATE CONFORMANCE WITH THE COMMUNITY PLAN OVERVIEW, GENERAL DESIGN ELEMENT NUMBER(S) _____, THE DESCRIPTION OF THE _____ SUBAREA, SUBAREA DESIGN ELEMENT NUMBER(S) _____, PRESCRIPTIONS FOR AREA OF SPECIAL CONCERN _____, AND SIGNIFICANT NATURAL AND HISTORIC & CULTURAL RESOURCE(S) DESIGNATION(S) OF _____ ON THE PROPERTY.

COMMUNITY DEVELOPMENT CODE CONSIDERATIONS:
APPLICABLE LAND USE DISTRICT SECTIONS (PURPOSE AND PERMITTED USES): 346-1, 348-1

PHYSICAL LIMITATIONS OF SITE (SECTIONS 421, 422): 421 (re: drainage hazard area or floodplain development)

On-site Public Notice Requirement (Rural Area Only): Section 204-1.4 requires the site to be posted with a public notice sign and an affidavit of posting filed within twenty-one (21) days of application acceptance.

OTHER CONSIDERATIONS:
State Transportation Planning Rule (OAR 660-12-060) OAR 660-004-0025, 660-004-0020, 660-014-0030 & OAR 660-014-0040

REVIEW AUTHORITY: ☒ Planning Commission ☒ Board of County Commissioners
Planning Commission makes a recommendation to Board of County Commissioners

GENERAL INFORMATION

PREVIOUS CASE FILES: 37CL0234, 81-145-V

OUTSTANDING CONDITIONS AND VIOLATIONS: ✓

OTHER INTERESTED AGENCIES AND ORGANIZATIONS: ✓

HANDOUTS DISTRIBUTED

PLAN AMENDMENT APPLICATION FORM
PLAN AMENDMENT PROCEDURE SUMMARY
AGREEMENT TO PAYMENT OF FEES FOR APPLICATION PROCESSING
REQUEST FOR STATEMENT OF SERVICE AVAILABILITY FORMS
TRAFFIC IMPACT STATEMENT FORM

DOCUMENTS TO BE SUBMITTED WITH APPLICATION

NUMBER OF COPIES	
18	PRE-APPLICATION SUMMARY
18	PLAN AMENDMENT APPLICATION FORM
18	WRITTEN EXPLANATION, JUSTIFICATION (submit 1 for review by staff; when complete, submit 18 copies)
1	FEE CONTRACT (SIGNED)
1	WASHINGTON COUNTY TAX MAP(S) (must be obtained from Assessment & Taxation Department) 2S3 03
1	WELL REPORTS(LOGS) FOR SECTIONS 2S3 03, 2S3 02, 2S3 11, 2S3 10

SERVICE PROVIDER LETTERS

	PUBLIC WATER ? Laurelwood	☒	PARK
18	SCHOOL		TRANSPORTATION: Traffic Impact Statement and /or Traffic Analysis
18	FIRE	18	SHERIFF (not required, but may be advisable to determine whether proposed access and sight distance is sufficient.
☒	SEWER	☒	TRI-MET
☒	SEPTIC SYSTEM	☒	ODOT - CONTACT
☒	SURFACE WATER	☒	CITY OF
			OTHER

$2100.00 (according to FY 05/06 fee schedule)

1 FEE DEPOSIT OF ~~$1600, EXCEPT FOR APPLICATIONS FOR PLAN AMENDMENTS FROM AF-10 AND AF-5, WHICH REQUIRE A DEPOSIT $1000~~. (THE FINAL COST OF PROCESSING THIS APPLICATION IS ESTIMATED TO BE $2300.00. THIS ESTIMATE IS NOT BINDING ON THE COUNTY, AND MAY NOT REFLECT THE FINAL COST OF PROCESSING THE APPLICATION.)

☒ MAILING LIST AND MAP FOR PROPERTIES IN AN ADJACENT COUNTY

THESE NOTES ARE GENERAL IN NATURE AND ARE NOT INTENDED TO COVER ALL OF THE ISSUES THAT MAY SURFACE IN THE REVIEW OF AN APPLICATION. ADDITIONAL INFORMATION MAY BE REQUIRED AND IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE THE NECESSARY INFORMATION TO PROCESS AN APPLICATION AS REQUIRED BY OREGON LAW AND WASHINGTON COUNTY ORDINANCES AND REGULATIONS.

WASHINGTON COUNTY
OREGON

Agreement for the Payment of Fees
Quasi-Judicial Plan Amendment Application

The parties to this Agreement are Joseph + BARBARA RODRIGUEZ (Applicant), who hereby certifies that said party is the **owner of record**, **contract purchaser** or **duly authorized representative of the owner** of the property listed below, and Washington County Department of Land Use and Transportation, Planning Division (County).

In 1987, the Board of County Commissioners adopted Resolution and Order No. 87-145, incorporated herein by reference, which established fees for all quasi-judicial plan amendment applications and mandated that the applicant pay the true cost of processing such an application. The Board subsequently revised the original resolution several times since 1987, most recently in 2004 by Resolution and Order No. 04-60, incorporated herein by reference.

Since the Applicant desires to submit an application for a quasi-judicial plan amendment and is required by Resolution and Order No. 87-145 to pay the true cost of processing such an application, this Agreement is needed to ensure that the Applicant makes full payment.

Now, therefore, the Parties agree as follows:

SEE ATTACHED CO. MAP.

1. This agreement governs the proposed plan amendment for the property described as Assessor Map and Tax Lot Number(s) 2S33-00807 (Property) to change the Property's Comprehensive Plan designation from AF10 to AF5 with a goal 2 Exception to Goal 14

2. The Applicant certifies that if the Applicant is a corporation, the corporation is duly authorized to do business in Oregon and the Applicant's representative is duly authorized by the corporation to sign this Agreement.

3. The Applicant **has** or **has not** met with county staff for a pre-application conference.

4. The Applicant hereby deposits **$2,100** with the County as an initial deposit towards the payment of the true cost of processing the plan amendment application.

5. If the true cost of processing the application is more than the initial deposit, the Applicant shall pay the remaining cost within thirty (30) days of receipt of a statement from the County. If an application is withdrawn, the Applicant remains liable for all costs incurred and shall pay within thirty (30) days of receipt of a statement from the County.

6. If the true cost of processing the application is less than the initial deposit, the County hereby agrees to promptly refund without interest any remaining funds that may be due.

7. It is agreed that the County retains the following means to assure payment of any balance due to the County:

   A. If the application is approved or conditionally approved by the review authority, a condition of approval may be imposed requiring payment in full of such balance before the approval becomes effective.

B. If the application is conditionally approved or denied by the review authority, and the Applicant appeals the decision, the County shall require that the balance due for processing the application be paid in full before the appeal is processed.

C. If the application is denied by the review authority and the Applicant does not appeal the decision, the County shall require that the balance due for processing the application be paid in full within thirty (30) days of receipt of the statement.

D. If payment is not received, the County may file a legal action to collect amounts due and be entitled to attorney fees.

8. The parties further agree that true costs to be charged to the Applicant shall be determined as set forth in Resolution and Order No. 87-145 and any subsequent Resolution and Orders adopted by the Board. Any dispute concerning the amounts due shall be resolved as follows:

A. The Applicant agrees to first contact the Planning Division's designated staff member in charge of processing the application should a dispute arise.

B. If the staff member is unable to resolve the dispute, the Applicant may request a review of the matter by the Planning Division Manager, and the Manager shall notify the Applicant in writing of any determination.

C. The Applicant may request a determination by the Department of Land Use and Transportation Director only after making initial contact with the designated staff member and Planning Division Manager. Requests to the Director shall be made in writing and shall set forth the specific basis of objection. The decision of the Director concerning the amount due shall be final and shall not be appealable.

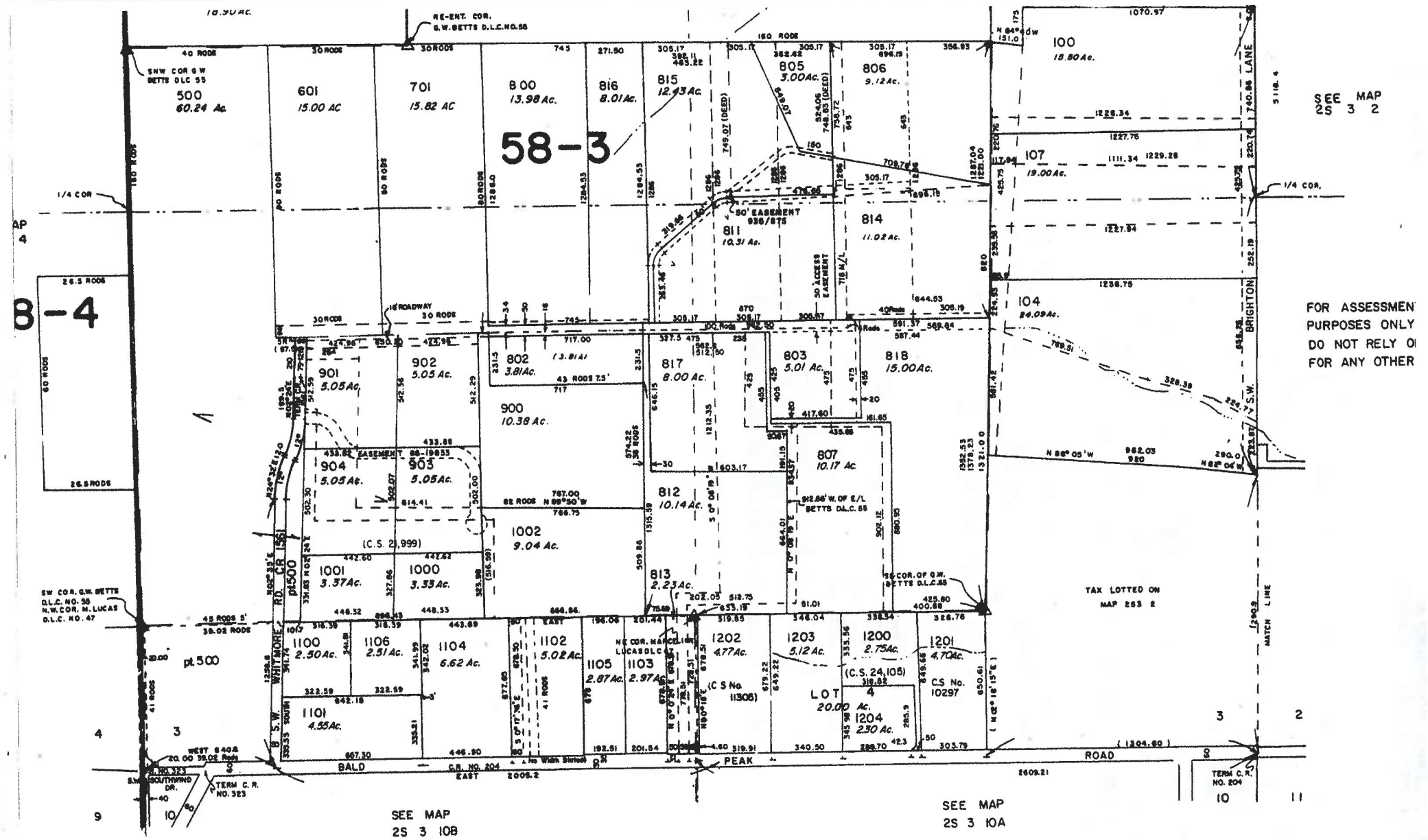
9. The parties agree that adjustments to the amount of refund or payment due may be made only on the basis of a clerical error in recording or computing actual time, material or service costs. The Applicant agrees that the selection of staff members to process an application, the activities of those staff members, and the time and materials necessary to process such application shall be within the sole discretion of the County, in accordance with the direction given in Resolution and Order No. 87-145.

10. In the event legal action is instituted by either party for enforcement of any provision herein or for collection of any amounts owing under this agreement, the prevailing party shall recover, in addition to costs and disbursements, such attorney fees as the court may judge reasonable to be allowed.

Applicant Name:	JOSEPH A. RODRIGUEZ	Applicant Name:	BARBARA M. RODRIGUEZ
Title:	OWNER	Title:	OWNER
Company:	—	Company:	—
*Address:	PO BOX 790 WARRENTON, OR 97146	Address*	PO BOX 790 WARRENTON, OR 97146
Signature:	Joseph A. Rodriguez	Signature:	Barbara M Rodriguez
Date:	2/13/06	Date:	2/12/06

F:/Shared/Plng/WPShare/Plan Amendments/Master/Payment Agreement.doc
Revised July 21, 2004

* Property address: 13200 SW Whitmore Rd
Hillsboro, OR
97123



2S

WASHINGTON COUNTY
DEPARTMENT OF
ASSESSMENT & TAXATION

JAN 09 2006

FOR ASSESSMENT PURPOSES
ONLY - DO NOT RELY ON
FOR OTHER USE

JOSEPH A. RODRIGUEZ III
BARBARA NORTH RODRIGUEZ
PO BOX 790
WARRENTON, OR 97146

1068

Feb 13, 2006
DATE

24-680/1230 3210
0098925159

PAY TO THE ORDER OF Washington County $2,100.00

Twenty-One Hundred & 00/100 DOLLARS

Security Features Details on Back.

WELLS FARGO Wells Fargo Bank, N.A. Oregon wellsfargo.com

FOR Plan Amendment application Joseph A. Rodriguez

⑆123006800⑆ 0098925159" 1068

Receipt No. 431765

Date 2/13/06

FROM Joe Rodriguez $2100.00

DOLLARS

○ FOR RENT
○ FOR Plan amendment

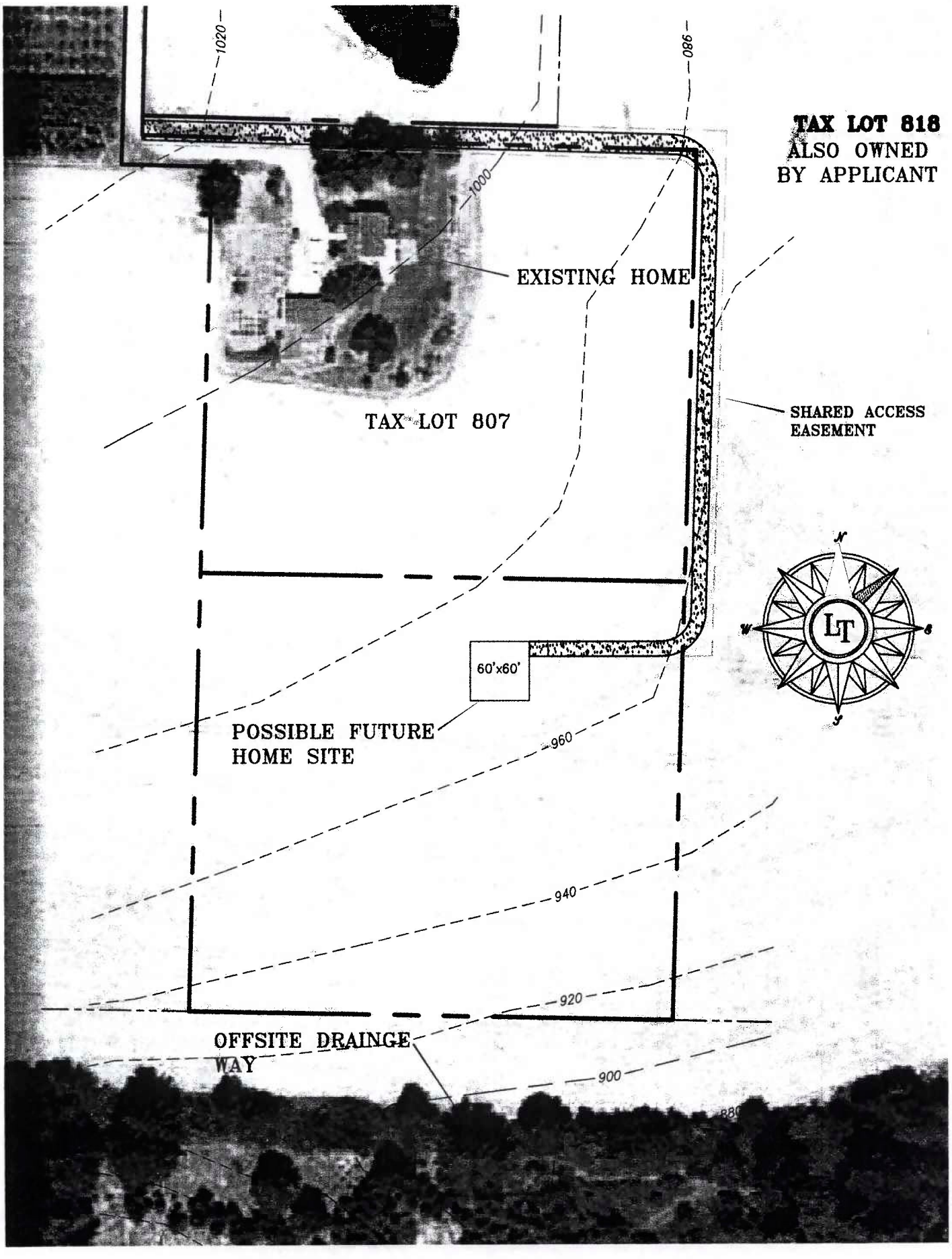
FROM AF-10 TO AF-5

ACCT.	
PAID	2100.00
DUE	

○ cash
☒ check #1068
○ money order

BY

DC 1152


1020
980
1000
TAX LOT 818
ALSO OWNED
BY APPLICANT
EXISTING HOME
TAX LOT 807
SHARED ACCESS
EASEMENT
N
W
E
S
LT
60'x60'
POSSIBLE FUTURE
HOME SITE
960
940
920
OFFSITE DRAINGE
WAY
900

Report

Overlay Information for :2S3030000807

1969 → F-1

1973 AF-10

Jurisdiction: Washington County
Plan Designation: AF10
Within Urban Growth Boundary: No
Within Metro's Urban Service Area: No

Water District: Not in Water District
Fire District: WC#2
Commissioner District: 4
Ground Water Resource Area: CHEHALEM MOUNTAIN
Not In Park District
Assessor Area: 1
Citizen Participation Org: CPO10

School District: HILLSBORO

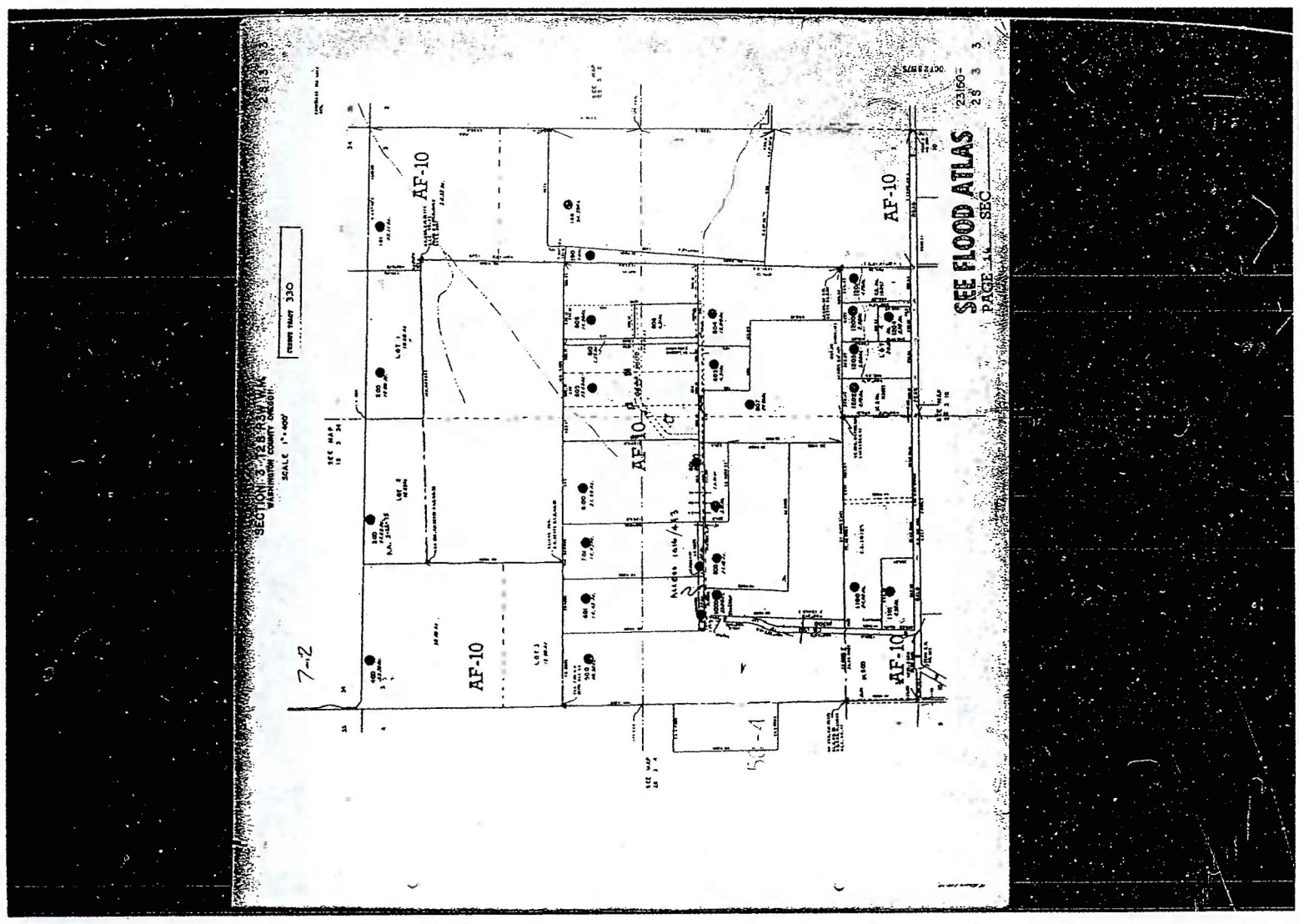
Community Plan Map: COUNTY
TIF Zone: 32

POD Date Zoned:POD: 9 12/9/69

Census Tract: 033000
Census Blockgroup: 0330003
Zipcode: 97123
Election Precinct: 328

Fire Management Zone: 6076
Garbage Hauler: Valley West Refuse (503) 649-5252
Garbage Dropbox: Valley West Refuse (503) 649-5252

Thomas Bros Page: 652
Thomas Bros Grid: F4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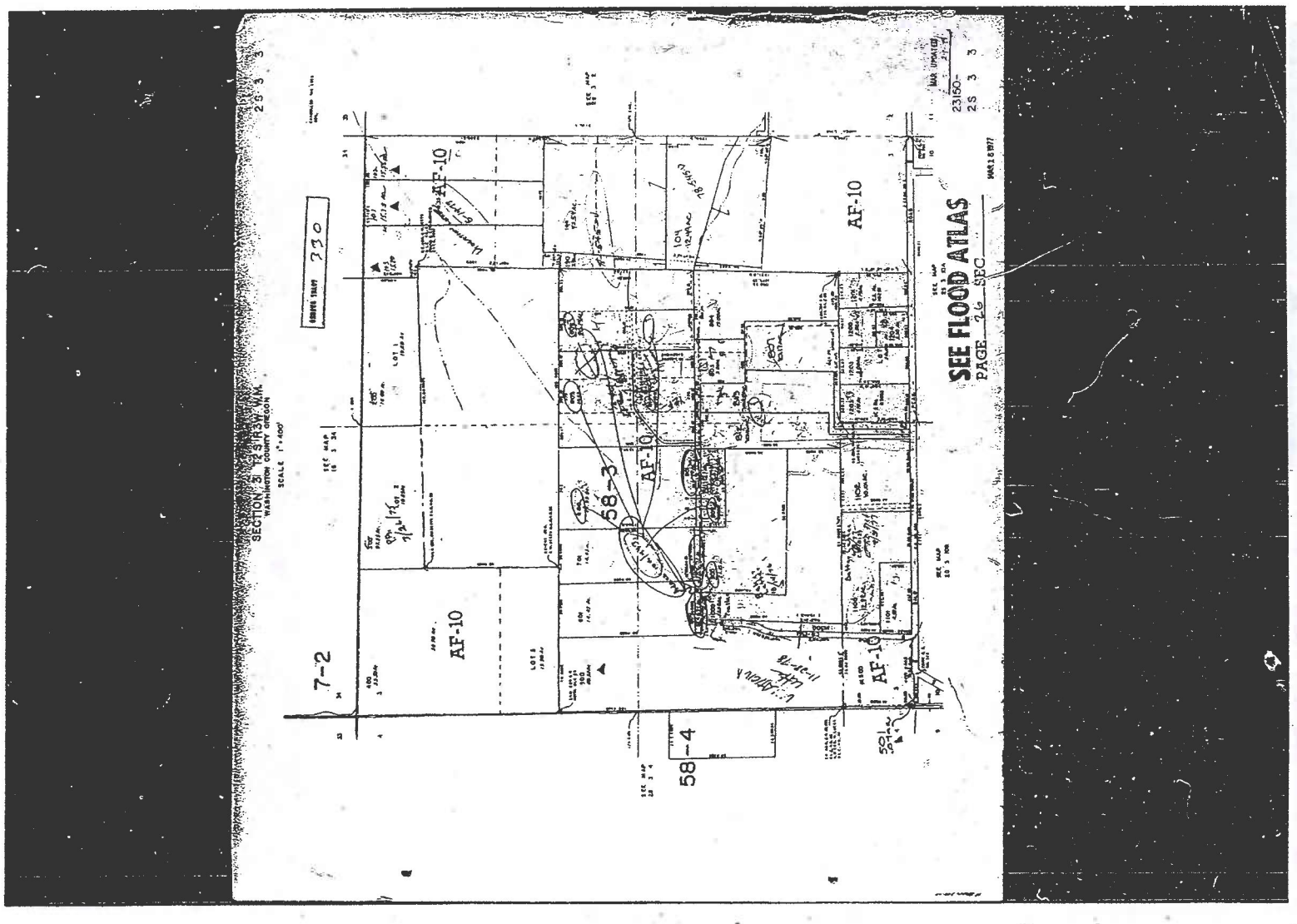
AF-10
AF-10
AF-10
AF-10
AF-10
7-2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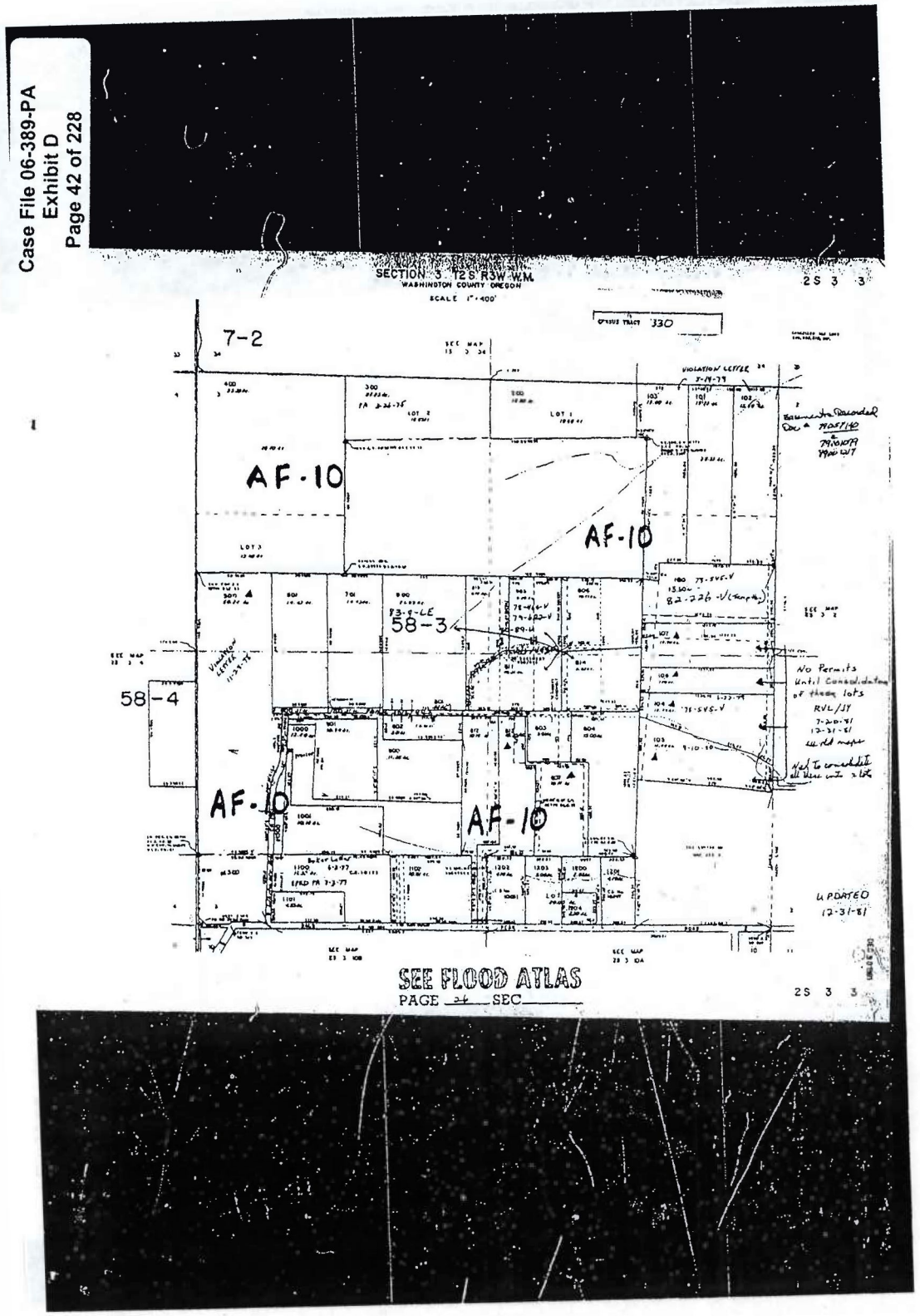
WASHINGTON COUNTY OREGON
SCALE 1"=400'
330
AF-10
AF-10
AF-10
AF-10
AF-10
7-2
58-3
58-4
SEE FLOOD ATLAS
PAGE 26 SEC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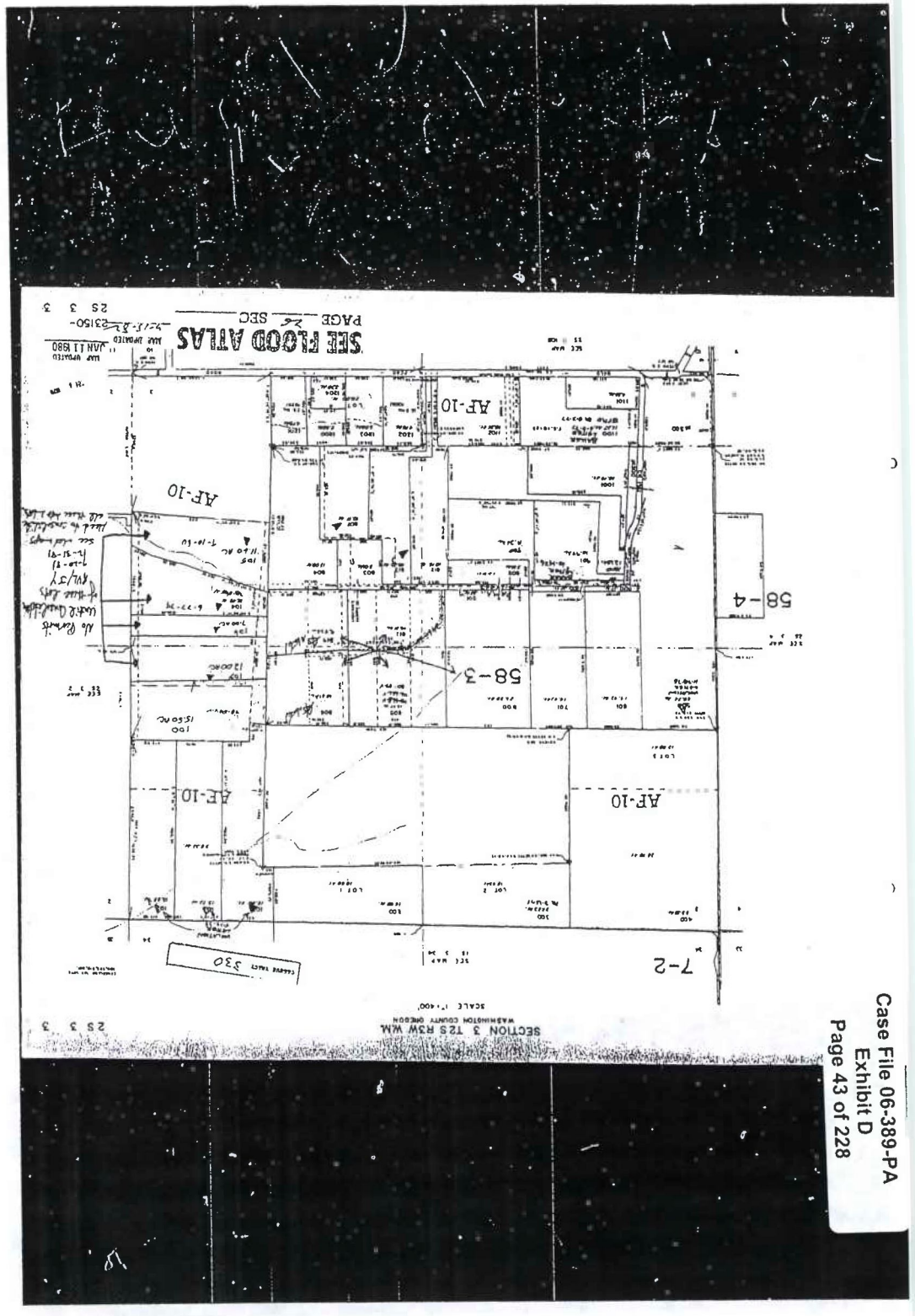
WASHINGTON COUNTY OREGON
SCALE 1"=400'
2S 3 3
7-2
AF-10
AF-10
58-3
58-4
AF-10
AF-10
No Permits
Until Consolidation
of these lots
RVL/JY
7-20-81
12-31-81
UPDATED
12-31-81
SEE FLOOD ATLAS
PAGE 24 SEC
2S 3 3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PAGE ___ SEC ___
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WASHINGTON COUNTY OREGON
SCALE 1" = 400'
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AE-10
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58-3
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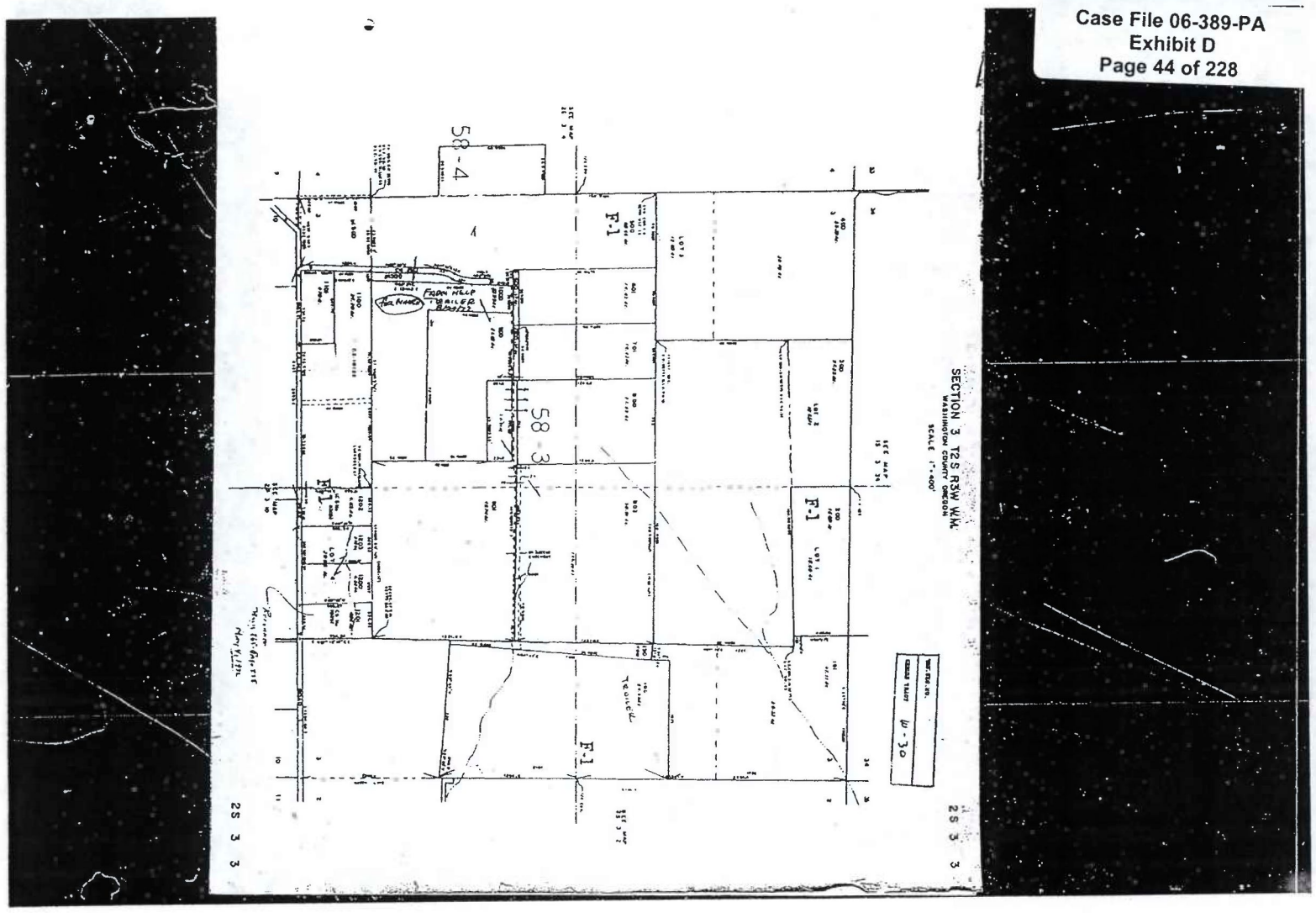
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WASHINGTON COUNTY OREGON
SCALE 1"=400'
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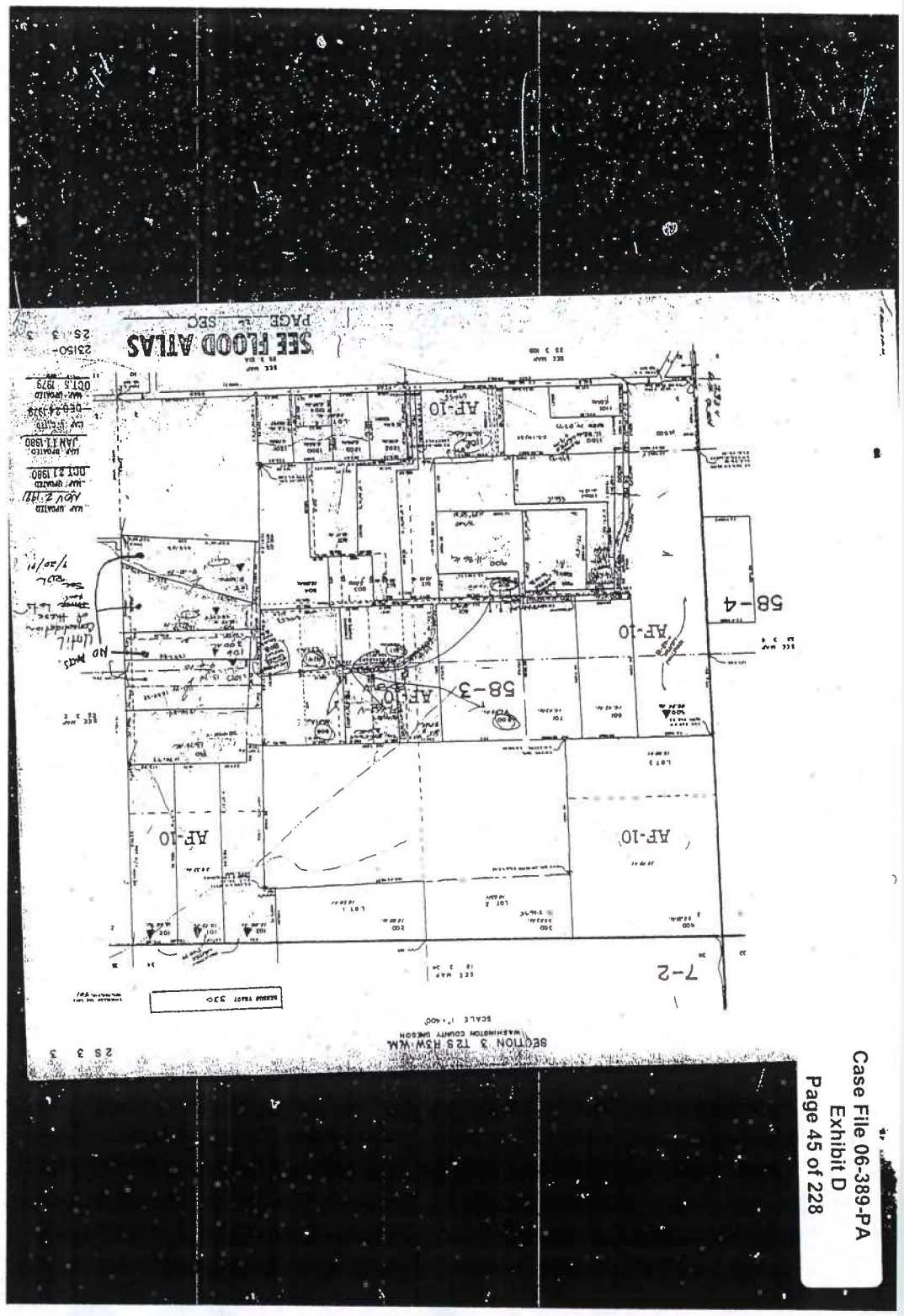
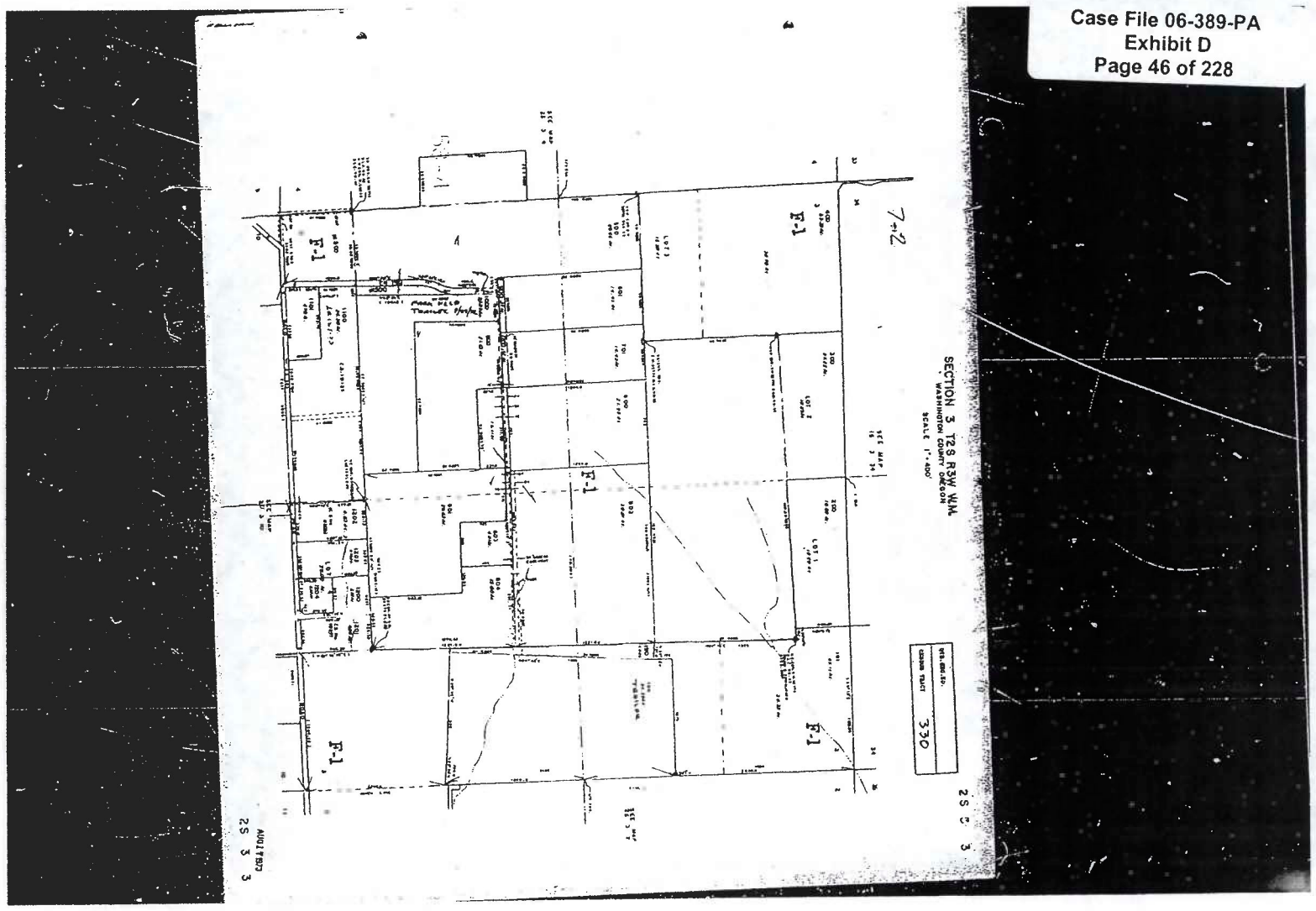
2S 3 3



Case File 06-389-PA
Exhibit D
Page 45 of 228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WASHINGTON COUNTY OREGON
SCALE 1"=400'
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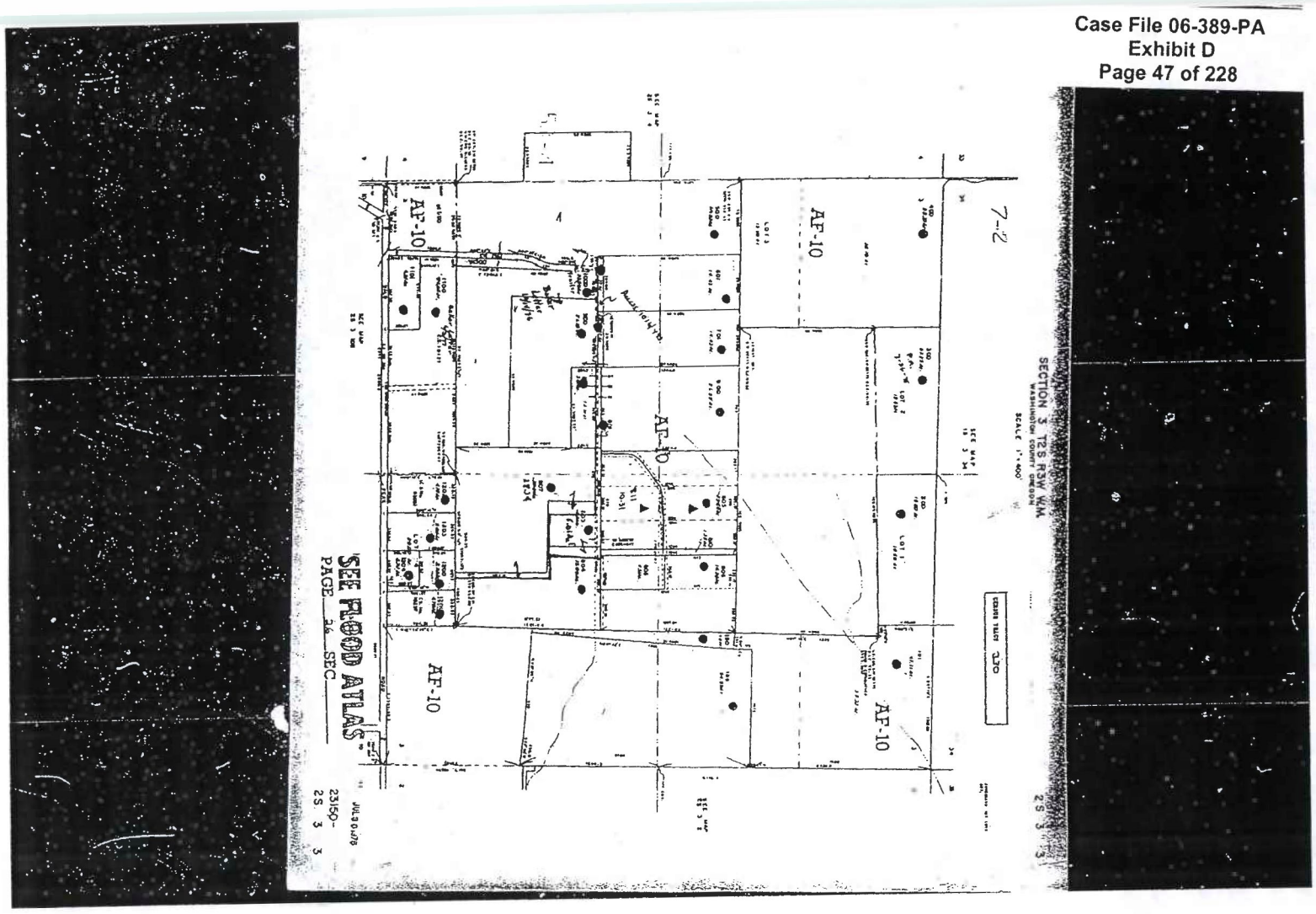
2S 3 3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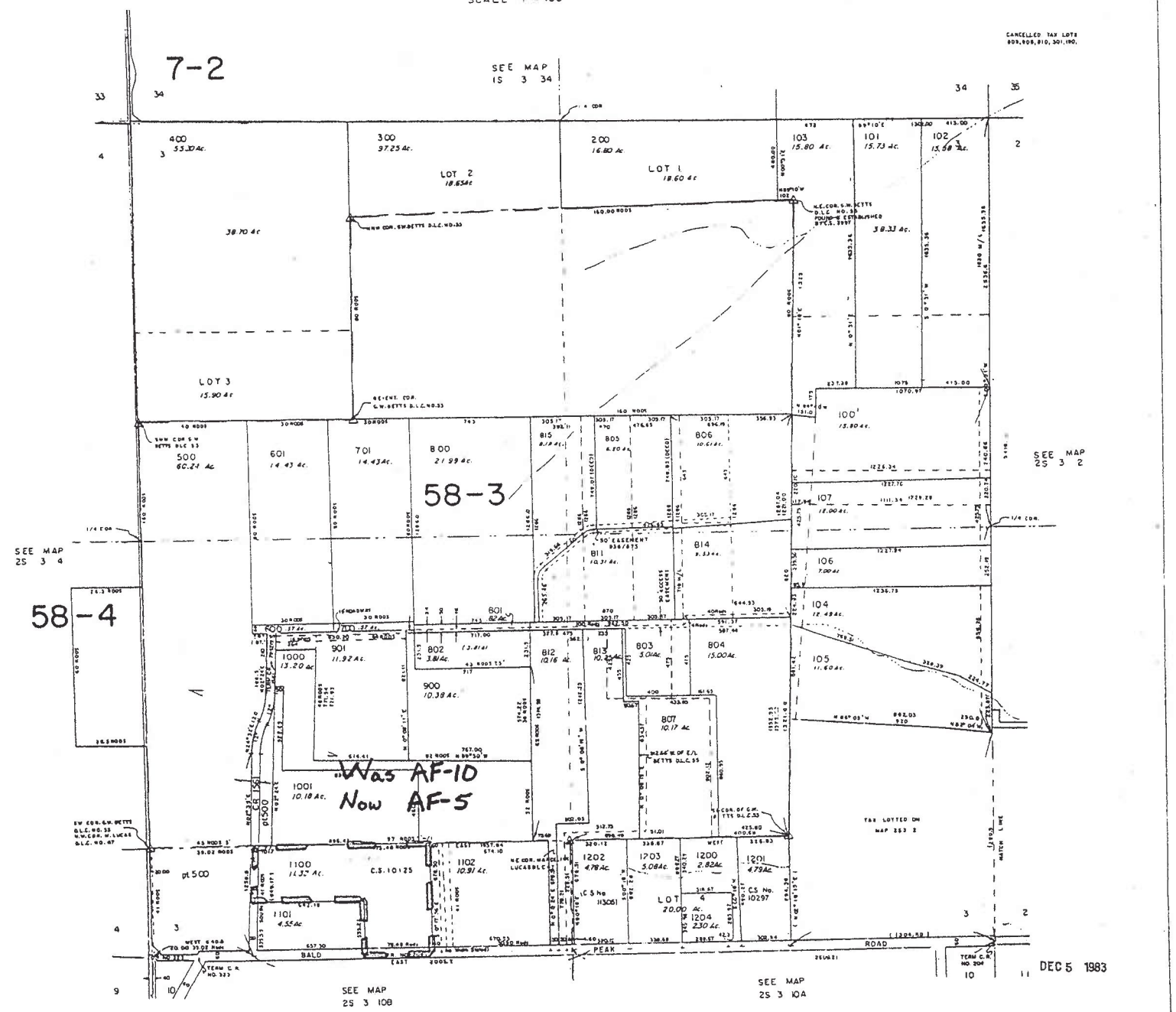
AF-10
AF-10
AF-10
SEE FLOOD ATLAS
PAGE 24 SEC
SECTION 3 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1" = 400'
2S 3 3

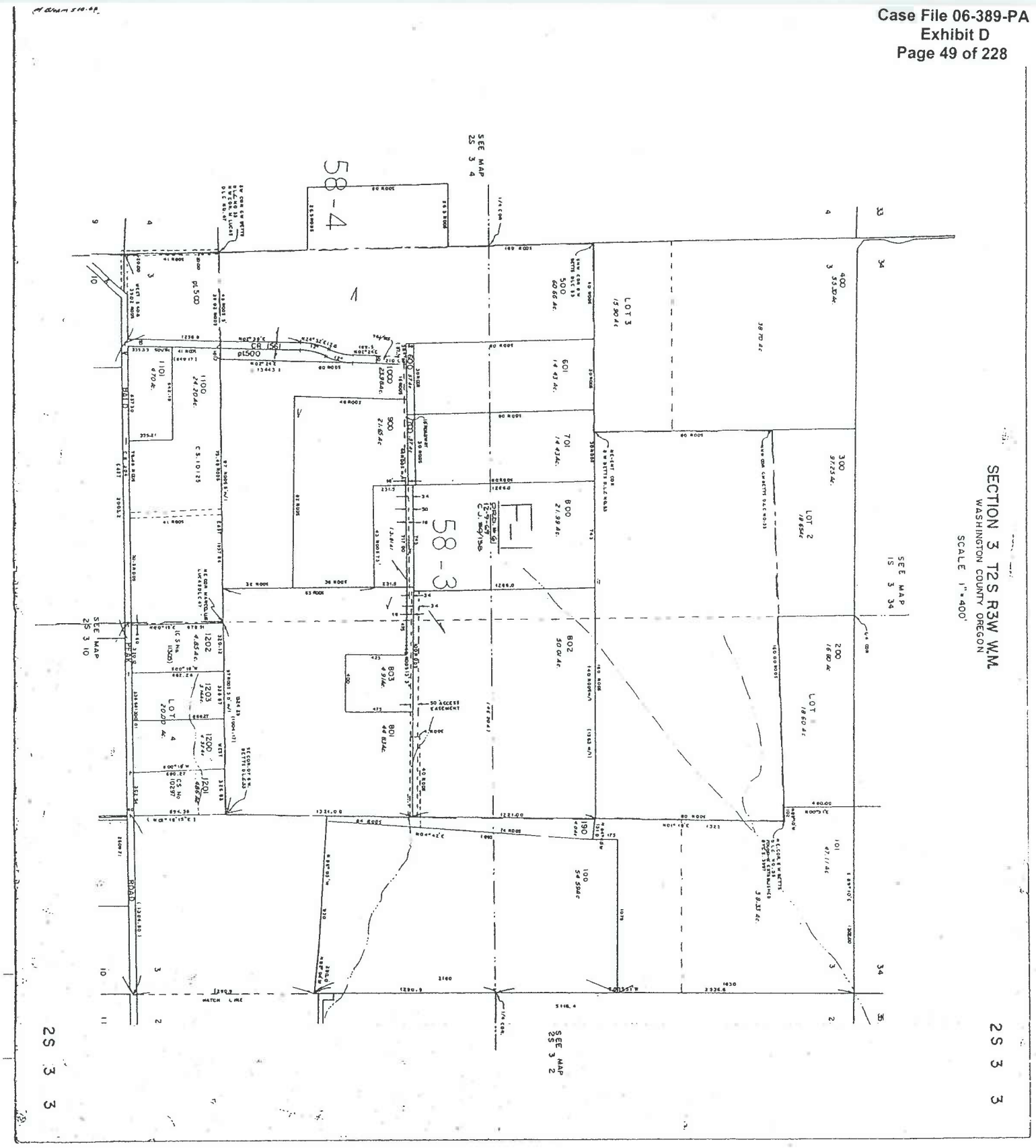
SECTION 3 T2S R3W W.M.

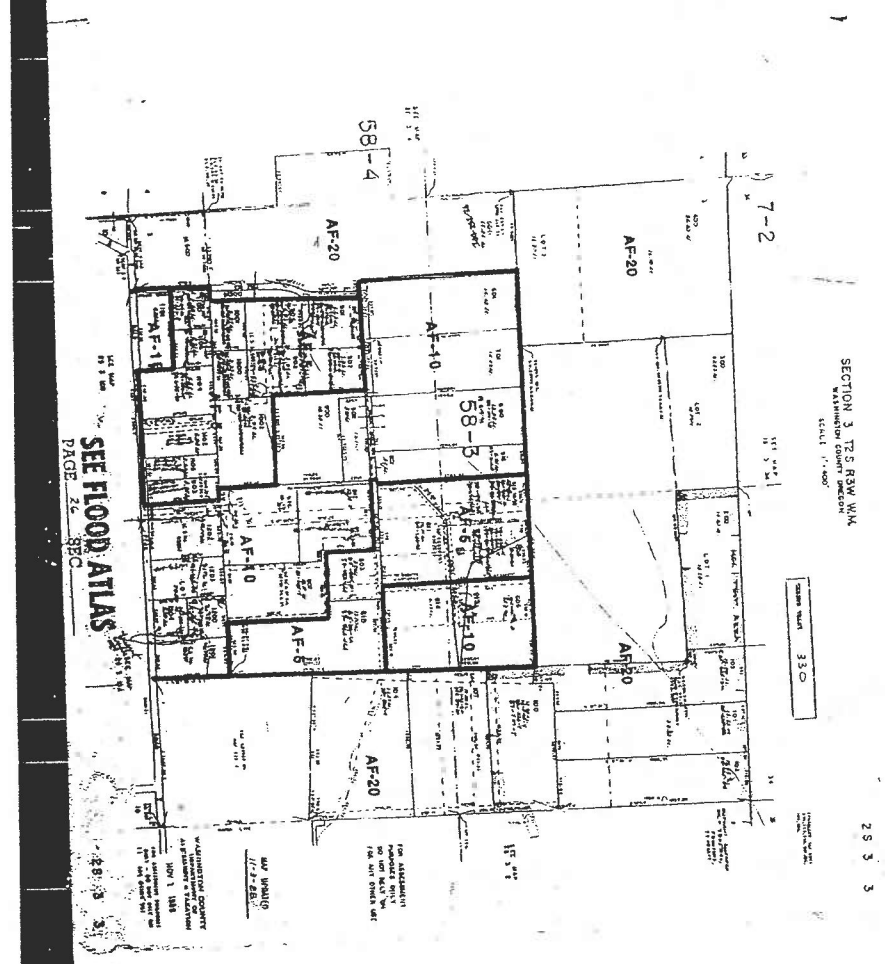
WASHINGTON COUNTY OREGON

SCALE 1" = 400'

2S 3 3




SECTION 3 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1"=400'
58-4
58-3
SEE MAP 2S 3 4
SEE MAP 1S 3 34
SEE MAP 2S 3 10
SEE MAP 2S 3 2
2S 3 3
2S 3 3
LOT 3
LOT 2
LOT 4
ROAD
MATCH LINE


SEE FLOOD ATLAS
PAGE 26 SEC
SECTION 3 T2S R3W W.M.
WASHINGTON COUNTY OREGON
AF-20
AF-10
AF-5
58-3
58-4
7-2
330

Received Event (Event Succeeded)

Date:	9/6/2007	Time:	11:08 AM
Pages:	2	Duration:	1 min 2 sec
Sender:	5036479351	Company:	
Fax Number:		Subject:	
Type:	Fax	Remote CSID:	5036479351

Sep 06 07 11:05a Bobbie Gregg 5036479351 p.1
09/06/2007 11:00 5032911613 PAGE 01/01

Please Fax Back to (503)291-1613

WASHINGTON COUNTY
Dept. of Land Use & Transportation
Land Development Services Division
155 N. 1st Avenue, #350-13
Hillsboro, OR 97124
Ph. (503) 846-3791 Fax (503) 846-2908
http://www.co.washington.or.us

Request For Statement Of Service Availability

- ☐ WATER DISTRICT: _____
- ☒ FIRE DISTRICT: WC #2
- ☐ TRI-MET
- ☐ TUALATIN HILLS PARK & REC. DISTRICT
- ☐ CITY OF _____
- ☐ CLEAN WATER SERVICES

PRE-APPLICATION DATE: _____

Service Provider: PLEASE RETURN THIS FORM TO:
APPLICANT:
COMPANY: Land Tech, Inc.
CONTACT: Jamie Morgan
ADDRESS: 8855 SW Canyon Ln #102
Portland, OR 97225
PHONE: (503) 291-9398

OWNER(S):
NAME: Joe & Barbara Rodriguez
ADDRESS: PO Box 790
Warrenton, OR 97146
PHONE: (503) 628-1073

Property Desc.: Tax Map(s): 2S3 03 Lot Number(s): 607

Site Size: 10.17 acres
Site Address: 13200 SW Whitman Rd.
Nearest cross street (or direction to site):

PROPOSED PROJECT NAME: Rodriguez Plan Amendment
PROPOSED DEVELOPMENT ACTION: (DEVELOPMENT REVIEW, SUBDIVISION, PARTITION, SPECIAL USE)
Change from AF-10 to AF-5 to enable a 2-lot partition
EXISTING USE: 1 house PROPOSED USE: 1 additional house

IF RESIDENTIAL: 1 existing, NO. OF DWELLING UNITS: 1 additional SINGLE FAM. ✓ MULTI-FAM. ____
IF INDUSTRIAL/COMMERCIAL: TYPE OF USE: _____ NO. OF SQ. FT. (GROSS FLOOR AREA) _____
IF INSTITUTIONAL: NO. SQ. FT. _____ NO. STUDENT/EMPLOYEES/MEMBERS: _____

*****ATTENTION SERVICE PROVIDER*****
PLEASE INDICATE THE LEVEL OF SERVICE AVAILABLE TO THE SITE (ADEQUATE OR INADEQUATE).
RETURN THIS COMPLETED FORM TO THE APPLICANT AS LISTED ABOVE.
(Do NOT return this form to Washington County. The applicant will submit the completed form with their Land Development Application submittal).

☒ SERVICE LEVEL IS ADEQUATE TO SERVE THE PROPOSED PROJECT.
Please indicate what improvements, or revisions to the proposal are needed for you to provide adequate service to this project.

SIGNATURE: [signature] POSITION: Bus Mgr DATE: 9/6/07

☐ SERVICE LEVEL IS INADEQUATE TO SERVICE THE PROPOSED PROJECT.
Please indicate why the service level is inadequate.

SIGNATURE: _____ POSITION: _____ DATE: _____

Service1 11/23/04

1508 SPLS not signed 03-31-06.mdx

Received Event (Event Succeeded)

Date:	6/12/2007	**Time:**	10:47 AM
Pages:	1	**Duration:**	0 min 37 sec
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Fax Number:		**Subject:**	
Type:	Fax	**Remote CSID:**	

Jun-12-07 08:04A P.01
Jun 12 07 09:48a Bobbie Gregg 5036479331 PAGE 01/01
06/12/2007 09:40 5032911613

Please return to Land Tech Pay (503)291-1613

WASHINGTON COUNTY
OREGON

Date: 6/12/07

Washington County Fire District Service Analysis

RE: Plan Amendment, changing from AF10 to AF5, 2S303 Tax Lot 807.
(Land use district) (Map location)

Fire District: #2

Dear Washington County Fire District,

The Washington County Department of Land Use and Transportation requires a formal detailed analysis of certain Public Services to determine any adverse impact on those services by the above plan amendment.

In order to provide sufficient information for the staff's impact evaluation, your response to the following questions, in addition to the standard "Service Availability Statement", is required.

1. What is the location (in miles from the parcel(s) referenced above) of the fire station?
   10 minutes or greater 5 miles
2. What will be the average emergency response time to the parcel(s) referenced above?
   greater than 10 minutes
3. What is the total number of personnel and equipment available for an initial attack on fire spread at the parcel(s) referenced above? 2 PAID, 25 Volunteer
   3 Engines 1 Tender
4. Will the addition of one (1) single family dwellings cause any serious impact on the current services provided?
   Very little

Thank you for providing the additional information for the plan amendment request.

SIGNATURE: [signature] DATE: 6-12-07
POSITION: Lt.

\\LUT1\DATA\SHARED\Plng\WPSHARE\Plan Amendments\Master\Misc forms\fire questions.doc

Department of Land Use & Transportation • Planning Division
155 N. First Avenue, Suite 350-14, Hillsboro, OR 97124-3072
phone: (503) 846-3519 • fax: (503) 846-4412

Received Event (Event Succeeded)

Date:	6/12/2007	Time:	2:53 PM
Pages:	2	Duration:	1 min 31 sec
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Fax Number:		Subject:	
Type:	Fax	Remote CSID:	

JUN 12 2007 2:53PM HP LASERJET 3200 P.1
06/11/2007 14:32 5032911613 PAGE 01/01

WASHINGTON COUNTY
Dept. of Land Use & Transportation
Land Development Services Division
155 N. 1st Avenue, #350-13
Hillsboro, OR 97124
Ph. (503) 846-8761 Fax (503) 846-2908
http://www.co.washington.or.us

Request For Statement Of Service Availability For Schools

☑ SCHOOL DISTRICT NO.: Hillsboro

PRE-APPLICATION DATE: _____

Service Provider PLEASE RETURN THIS FORM TO:
APPLICANT:
COMPANY: Land Tech, Inc.
CONTACT: Chris Goodell
ADDRESS: 8835 SW Cannon Ln #102
Portland, OR 97225
PHONE: (503) 291-9290

OWNER(S):
NAME: Joe & Barbara Rodriguez
ADDRESS: PO BOX 790
Warrenton, OR 97146
PHONE: _____

Property Desc.: Tax Map(s): 2S303 Lot Number(s): 807

Site Size: 10.17-acres ±

Site Address: 13200 SW Whitmore Rd.

Nearest cross street (or directions to site): E. end of Whitmore, N. of Bald Peak Rd

PROPOSED PROJECT NAME: Rodriguez – Plan Amendment

PROPOSED DEVELOPMENT ACTION: (DEVELOPMENT REVIEW, SUBDIVISION, MINOR PARTITION, SPECIAL USE)
Change from AF-10 to AF-5 to enable a 2-parcel partition.

EXISTING USE: 1 house (SFR) PROPOSED USE: 1 additional SFR

IF RESIDENTIAL: NO. OF DWELLING UNITS: 1 existing & 1 additional
SINGLE FAM. ✓ MULTI-FAM. _____
IF INDUSTRIAL/COMMERCIAL: TYPE OF USE: _____ NO. OF SQ. FT. (GROSS FLOOR AREA) _____
IF INSTITUTIONAL: NO. SQ. FT. _____ NO. STUDENT&/EMPLOYEES/MEMBERS: _____

*******ATTENTION SERVICE PROVIDER*******
PLEASE INDICATE THE LEVEL OF SERVICE AVAILABLE TO THE SITE (ADEQUATE OR INADEQUATE).
RETURN THIS COMPLETED FORM TO THE APPLICANT AS LISTED ABOVE.
(Do NOT return this form to Washington County. The applicant will submit the completed form with their Land Development Application submittal).

☐ SERVICE LEVEL IS ADEQUATE TO SERVE THE PROPOSED PROJECT. (Use additional sheets if necessary.)
Please indicate what improvements, or revisions to the proposal are needed for you to provide adequate service to this project.

SEE ATTACHED

SIGNATURE: Jeremy Lyon POSITION: Superintendent DATE: June 12, 2007

☐ SERVICE LEVEL IS INADEQUATE TO SERVICE THE PROPOSED PROJECT.
If the present or future service level is inadequate, please provide information documenting your inability to provide an adequate level of service. Additionally, provide information regarding whether the use of alternative means can be employed to provide an adequate service level. Documentation of adequacy and alternatives to provide an adequate service level may include but not be limited to the following:

1. Amount of bonded indebtedness; 2. Use of double shifting; 3. Extended school periods; 4. Busing to underutilized facilities; 5. Year-around school; 6. Construction of new facilities; 7. Portable Classrooms; 8. Impact Fees; 9. Any combination of these or other alternatives.

SIGNATURE: _____ POSITION: _____ DATE: _____

Service Pro Schools 5/30/06

Received Event (Event Succeeded)

Date:	6/12/2007	Time:	5:19 PM
Pages:	5	Duration:	3 min 2 sec
Sender:		Company:	
Fax Number:		Subject:	
Type:	Fax	Remote CSID:	

Please return to Land Tech FAX (503)291-1613

WASHINGTON COUNTY
OREGON

Date: 6/12/07

Washington County School District Service Analysis

RE: Plan Amendment, changing from AF10 (land use district) to AF5, 2S3 03 (map location) Tax Lot 807.

Dear Washington County School District,

The Washington County Department of Land Use and Transportation requires a formal detailed analysis of certain Public Services to determine any adverse impact on those services by the above plan amendment.

In order to provide sufficient information for the staff's impact evaluation, your response to the following questions, in addition to the standard "Service Availability Statement", is required.

1. What is the location (in miles from the parcel(s) referenced above) of the nearest schools that would provide education services to future residents of the parcel(s) above?
   Farmington View Elementary School 5.8 miles
   J.B. Thomas Middle School 10.7 miles AND Hillsboro High School 11.0 miles
2. Is bus transportation provided for students that would be located on the parcel(s) listed above?
   YES
3. What are the names of the existing school facilities in your district, current enrollment of those schools, and maximum student capacity for each school that would serve the parcel(s) listed above?
   SEE ATTACHED
4. Will the addition of one (1) future single family dwellings cause any serious impact on the current educational services provided?
   SEE ATTACHED CAPACITY REFERENCE

Thank you for providing the additional information for the plan amendment request.

SIGNATURE: Jeremy Lyon DATE: June 12, 2007

POSITION: Superintendent

F:\SHARED\Ping\WPSHARE\Plan Amendments\Master\Misc forms\school questions.doc

Department of Land Use & Transportation • Planning Division
155 N. First Avenue, Suite 350-14, Hillsboro, OR 97124-3072
phone: (503) 846-3519 • fax: (503) 846-4412

Received Event (Event Succeeded)

Date:	6/12/2007	Time:	5:19 PM
Pages:	5	Duration:	3 min 2 sec
Sender:		Company:	
Fax Number:		Subject:	
Type:	Fax	Remote CSID:	

Hillsboro School District 1J
Administration Center
3083 NE 49th Place, #200
Hillsboro OR 97124-6008
503-844-1500 FAX 503-844-1781

June 12, 2007

Attn: Chris Goodell
Land Tech, Inc.
8835 SW Cannon Ln #402
Portland, OR 97225
FAX: 503-291-1613

PHONE: 503-291-9398
Joe & Barbara Rodriguez
PO Box 790
Warrenton, OR 97146

SERVICES AVAILABLE RESPONSE FORM

At the time of this response, the proposed development is located within the following attendance areas with the enrollment as noted:

SCHOOL	LEVEL	ENROLLMENT CAPACITY*	ENROLLMENT 10/2/2006
Farmington View	Elementary School	**378**	**210**
Thomas	Middle School	**800**	**519**
Hillsboro	High School	**1,650**	**1,527**

The Hillsboro School District assumes the following student population average per dwelling. These averages are based on the Beaverton School District's statistics with slight modifications for differences in multi-family development.

Students Per Dwelling	
.46	preschool children per dwelling
.29	elementary students per dwelling
.12	intermediate students per dwelling
.11	high school students per dwelling
.52	total school-age students per dwelling

Assuming the above averages this development of **Tax Lot #2S303-807** (one additional home) could impact these schools as follows:

SCHOOL	LEVEL	STUDENTS
Farmington View	Elementary School	**.29**
Thomas	Middle School	**.12**
Hillsboro	High School	**.11**

Received Event (Event Succeeded)

Date:	6/12/2007	Time:	5:19 PM
Pages:	5	Duration:	3 min 2 sec
Sender:		Company:	
Fax Number:		Subject:	
Type:	Fax	Remote CSID:	

Google Maps

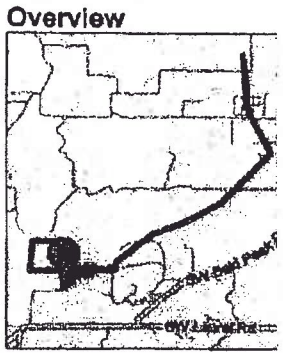
Start **13200 SW Whitmore Rd Hillsboro, OR 97123**
End **8300 SW Hillsboro Hwy Hillsboro, OR 97123**
Travel **5.8 mi (about 10 mins)**

Farmington View Elementary School

13200 SW Whitmore Rd
Hillsboro, OR 97123
Drive: 5.8 mi (about 10 mins)

1. Head **west** on **SW Whitmore Rd** toward **SW Bald Peak Rd**	0.7 mi 2 mins
2. Turn **left** at **SW Bald Peak Rd**	1.1 mi 2 mins
3. Turn **left** to stay on **SW Bald Peak Rd**	2.7 mi 4 mins
4. Turn **left** at **SW Hillsboro Hwy**	1.4 mi 2 mins

Overview

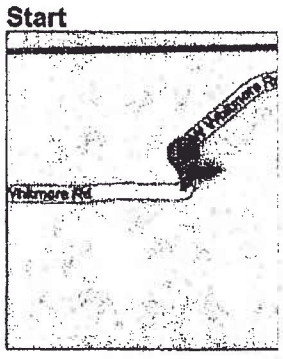


8300 SW Hillsboro Hwy
Hillsboro, OR 97123

These directions are for planning purposes only. You may find that construction projects, traffic, or other events may cause road conditions to differ from the map results.

Map data ©2007 NAVTEQ™

Start



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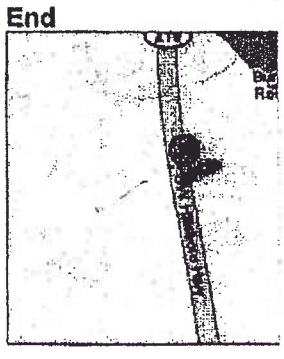


Map data ©2007 NAVTEQ

Received Event (Event Succeeded)

Date:	6/12/2007	**Time:**	5:19 PM
Pages:	5	**Duration:**	3 min 2 sec
Sender:		**Company:**	
Fax Number:		**Subject:**	
Type:	Fax	**Remote CSID:**	

Google Maps

Start **13200 SW Whitmore Rd Hillsboro, OR 97123**
End **645 NE Lincoln St Hillsboro, OR 97124**
Travel **10.7 mi (about 19 mins)**

J. B. Thomas Middle School

13200 SW Whitmore Rd
Hillsboro, OR 97123
Drive: 10.7 mi (about 19 mins)

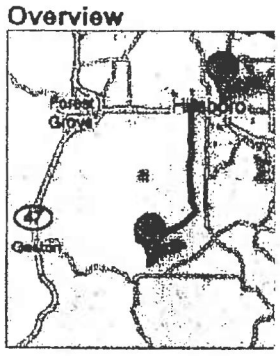
1.	Head **west** on **SW Whitmore Rd** toward **SW Bald Peak Rd**	0.7 mi 2 mins
←2.	Turn **left** at **SW Bald Peak Rd**	1.1 mi 2 mins
←3.	Turn **left** to stay on **SW Bald Peak Rd**	2.7 mi 4 mins
←4.	Turn **left** at **SW Hillsboro Hwy**	5.0 mi 7 mins
5.	Continue on **S 1st Ave**	0.8 mi 3 mins
→6.	Turn **right** at **NE Lincoln St**	0.5 mi 2 mins

645 NE Lincoln St
Hillsboro, OR 97124

These directions are for planning purposes only. You may find that construction projects, traffic, or other events may cause road conditions to differ from the map results.

Map data ©2007 NAVTEQ™

Overview



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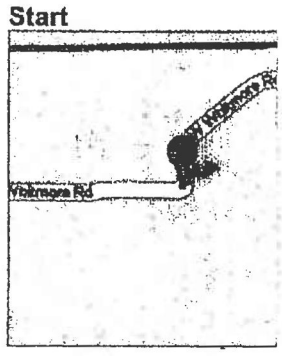
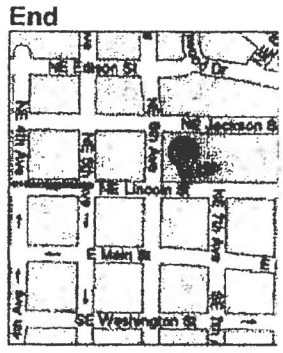


End



Map data ©2007 NAVTEQ

Received Event (Event Succeeded)

Date:	6/12/2007	**Time:**	5:19 PM
Pages:	5	**Duration:**	3 min 2 sec
Sender:		**Company:**	
Fax Number:		**Subject:**	
Type:	Fax	**Remote CSID:**	

Google Maps

Start **13200 SW Whitmore Rd Hillsboro, OR 97123**
End **3285 SE Rood Bridge Rd Hillsboro, OR 97123**
Travel **11.0 mi (about 18 mins)**

Hillsboro High School

13200 SW Whitmore Rd
Hillsboro, OR 97123
Drive: 11.0 mi (about 18 mins)

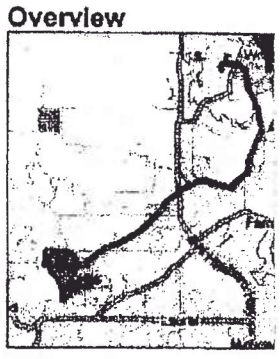
1.	Head **west** on **SW Whitmore Rd** toward **SW Bald Peak Rd**	0.7 mi 2 mins
←2.	Turn **left** at **SW Bald Peak Rd**	1.1 mi 2 mins
←3.	Turn **left** to stay on **SW Bald Peak Rd**	2.7 mi 4 mins
←4.	Turn **left** at **SW Hillsboro Hwy**	400 ft 1 min
→5.	Turn **right** at **SW Farmington Rd**	2.1 mi 3 mins
←6.	Turn **left** at **SW River Rd**	4.1 mi 6 mins
←7.	Turn **left** at **SE Rood Bridge Rd**	0.2 mi 1 min
←8.	Turn **left** to stay on **SE Rood Bridge Rd**	0.1 mi

3285 SE Rood Bridge Rd
Hillsboro, OR 97123

These directions are for planning purposes only. You may find that construction projects, traffic, or other events may cause road conditions to differ from the map results.

Map data ©2007 NAVTEQ™

Overview



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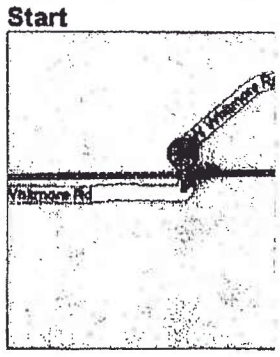

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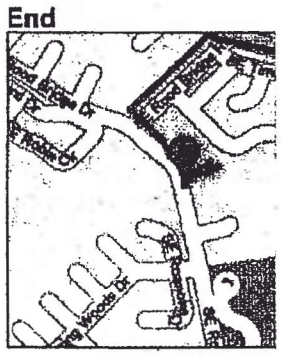

Map data ©2007 NAVTEQ

WASHINGTON COUNTY
Dept. of Land Use & Transportation
Land Development Services Division
155 N. 1st Avenue, #350-13,
Hillsboro, OR 97124
Ph. (503) 846-8761 Fax (503) 846-2908
http://www.co.washington.or.us

Request For Statement Of Service Availability For Sheriff / Police Services

☑ WASHINGTON COUNTY SHERIFF

PRE-APPLICATION DATE: _____

Service Provider: PLEASE RETURN THIS FORM TO:
APPLICANT:
COMPANY: Land Tech, Inc.
CONTACT: Chris Goodell
ADDRESS: 8835 SW Cannon Ln #402
Portland, OR 97225
PHONE: (503) 291-9398

OWNER(S):
NAME: Joe & Barbara Rodriguez
ADDRESS: PO BOX 790
Warrenton, OR 97146
PHONE: _____

Property Desc.: Tax Map(s): 2S3 03 Lot Number(s): 807

Site Size: 10.17 acres ±

Site Address: 13200 SW Whitmore Rd.

Nearest cross street (or directions to site): E. end of Whitmore Rd, N. of Bald Peak Rd.

PROPOSED PROJECT NAME: Rodriguez Plan Amendment

PROPOSED DEVELOPMENT ACTION: (DEVELOPMENT REVIEW, SUBDIVISION, MINOR PARTITION, SPECIAL USE)
change from AF10 to AF5 to enable a 2-parcel partition.

EXISTING USE: 1 (SFR) house PROPOSED USE: 1 additional SFR

IF RESIDENTIAL: 1 existing, 1 additional
NO. OF DWELLING UNITS: _____
SINGLE FAM. ✓ MULTI-FAM. _____

IF INDUSTRIAL/COMMERCIAL:
TYPE OF USE: _____
NO. OF SQ. FT. (GROSS FLOOR AREA) _____

IF INSTITUTIONAL:
NO. SQ. FT. _____
NO. STUDENTS/EMPLOYEES/MEMBERS: _____

*******ATTENTION SERVICE PROVIDER*******

PLEASE INDICATE THE LEVEL OF SERVICE AVAILABLE TO THE SITE (ADEQUATE OR INADEQUATE).
RETURN THIS COMPLETED FORM TO THE APPLICANT AS LISTED ABOVE.
(Do NOT return this form to Washington County. The applicant will submit the completed form with their Land Development Application submittal).

☒ SERVICE LEVEL IS **ADEQUATE** TO SERVE THE PROPOSED PROJECT. (Use additional sheets if necessary.)
Please indicate what improvements, or revisions to the proposal are needed for you to provide adequate service to this project.

Service level is adequate for emergency calls only. Currently, the base level of police services in Washington County is .50 officer per 1,000 population. The Enhanced Sheriff's Patrol District (ESPD) has increased the level to 1.0 officer per 1,000 population in specified areas.

SIGNATURE: _____ POSITION: Records Manager DATE: 6-12-07

☐ SERVICE LEVEL IS **INADEQUATE** TO SERVICE THE PROPOSED PROJECT.
If the present or future service level is inadequate, please provide information documenting your inability to provide an adequate level of service. Please also provide information regarding whether the use of alternative means can be employed to provide an adequate service level. Documentation of adequacy and alternatives to provide an adequate service level may include but not be limited to the following:
1. Contracting with private agency; 2. Contracting with other public agency; 3. Impact fees; 4. Any combination of these or other alternatives.

SIGNATURE: _____ POSITION: _____ DATE: _____

Received Event (Event Succeeded)

Date:	6/12/2007	**Time:**	1:56 PM
Pages:	1	**Duration:**	0 min 42 sec
Sender:	5036623154	**Company:**	
Fax Number:		**Subject:**	
Type:	Fax	**Remote CSID:**	5036623154

06/12/2007 09:33 5036623154 LAWATERCOOP PAGE 01/01
06/11/2007 14:30 5032911613 PAGE 01/01

fax 662-3154

WASHINGTON COUNTY
Dept. of Land Use & Transportation
Land Development Services Division
155 N. 1st Avenue, #350-13,
Hillsboro, OR 97124
Ph. (503) 846-8761 Fax (503) 846-2908
http://www.co.washington.or.us

Request For Statement Of Service Availability (Service Provider Letter)

PRE-APPLICATION DATE: _____

Service Provider: PLEASE RETURN THIS FORM TO:
APPLICANT:
COMPANY: Land Tech, Inc.
CONTACT: Chris Goodell
ADDRESS: 8835 SW Cannon Ln #402
Portland, OR 97225
PHONE: (503) 291-9398

☑ WATER DISTRICT: Laurelwood
☐ FIRE DISTRICT: _____
☐ TUALATIN HILLS PARK & REC. DISTRICT
☐ CITY OF: _____
☐ CLEAN WATER SERVICES (Sanitary Sewer)

OWNER(S):
NAME: Joe & Barbara Rodriguez
ADDRESS: PO Box 790
Warrenton, OR 97146
PHONE: _____

Additionally, you'll need our separate, individual request forms titled:
- Clean Water Services (Surface Water Mgmt.)
- Tri-Met
- School
- Sheriff / Police

Property Desc.: Tax Map(s): 2S3 03 Lot Number(s): 801
Site Size: ±10.17 acres
Site Address: 13200 SW Whitmore Rd.
Nearest cross street (or directions to site): East end of SW Whitmore Rd, north of

PROPOSED PROJECT NAME: Rodriguez Plan Amendment Bald Peak Rd.
PROPOSED DEVELOPMENT ACTION: (DEVELOPMENT REVIEW, SUBDIVISION, MINOR PARTITION, SPECIAL USE)
change from AF-10 to AF-5 to enable a 2-parcel partition.
EXISTING USE: 1 house (SFD) PROPOSED USE: 1 additional house

IF RESIDENTIAL: 1 existing
NO. OF DWELLING UNITS: 1 additional
SINGLE FAM. ✓ MULTI-FAM. _____
IF INDUSTRIAL/COMMERCIAL:
TYPE OF USE: _____
NO. OF SQ. FT. (GROSS FLOOR AREA) _____
IF INSTITUTIONAL:
NO. SQ. FT. _____
NO. STUDENTS/EMPLOYEES/MEMBERS: _____

*******ATTENTION SERVICE PROVIDER*******

PLEASE INDICATE THE LEVEL OF SERVICE AVAILABLE TO THE SITE (ADEQUATE OR INADEQUATE).
RETURN THIS COMPLETED FORM TO THE APPLICANT AS LISTED ABOVE.
(Do NOT return this form to Washington County. The applicant will submit the completed form with their Land Development Application submittal).

☒ SERVICE LEVEL IS ADEQUATE TO SERVE THE PROPOSED PROJECT. (Use additional sheets if necessary.)
Please indicate what improvements, or revisions to the proposal are needed for you to provide adequate service to this project.

SIGNATURE: John G Cheslock POSITION: Field Manager DATE: 6-12-07

☐ SERVICE LEVEL IS INADEQUATE TO SERVICE THE PROPOSED PROJECT.
Please indicate why the service level is inadequate.

SIGNATURE: _____ POSITION: _____ DATE: _____

Service Pro General 05/30/06

fax 846-4490

WASHINGTON COUNTY
Dept. of Land Use & Transportation
Land Development Services Division
155 N. 1st Avenue, #350-13,
Hillsboro, OR 97124
Ph. (503) 846-8761 Fax (503) 846-4412
http://www.co.washington.or.us

RECEIVED
JUN 12 2007
Dept. of Health & Human Services
Environmental Health

PRE-APPLICATION DATE: _____

Request For Statement Of Service Availability (Service Provider Letter)

Service Provider: PLEASE RETURN THIS FORM TO:
APPLICANT:
COMPANY: Land Tech, Inc.
CONTACT: Chris Goodell
ADDRESS: 8835 SW Canyon Ln #402
Portland, OR 97225
PHONE: (503) 291-9398

OWNER(S):
NAME: Joe & Barbara Rodriguez
ADDRESS: PO Box 790
Warrenton, OR 97146
PHONE: _____

WATER DISTRICT: _____
☐ FIRE DISTRICT: _____
☐ TUALATIN HILLS PARK & REC. DISTRICT
☑ ~~CITY OF~~ Dept of Health & H. Services.
☐ CLEAN WATER SERVICES (Sanitary Sewer)

Property Desc.: Tax Map(s): 2S3 03 Lot Number(s): 807

Additionally, you'll need our separate, individual request forms titled:
- **Clean Water Services (Surface Water Mgmt.)**
- **Tri-Met**
- **School**
- **Sheriff / Police**

Site Size: ±10.17 acres
Site Address: 13200 SW Whitmore Rd.
Nearest cross street (or directions to site): East end of SW Whitmore Rd, north of Bald Peak Rd.

PROPOSED PROJECT NAME: Rodriguez Plan Amendment

PROPOSED DEVELOPMENT ACTION: (DEVELOPMENT REVIEW, SUBDIVISION, MINOR PARTITION, SPECIAL USE)
Change from AF-10 to AF-5 to enable a 2-parcel partition.

EXISTING USE: 1 house (SFR) PROPOSED USE: 1 additional house

IF RESIDENTIAL: NO. OF DWELLING UNITS: 1 existing, 1 additional SINGLE FAM. 1 MULTI-FAM. _____
IF INDUSTRIAL/COMMERCIAL: TYPE OF USE: _____ NO. OF SQ. FT. (GROSS FLOOR AREA) _____
IF INSTITUTIONAL: NO. SQ. FT. _____ NO. STUDENTS/EMPLOYEES/MEMBERS: _____

*******ATTENTION SERVICE PROVIDER*******

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(Do NOT return this form to Washington County. The applicant will submit the completed form with their Land Development Application submittal).

☐ SERVICE LEVEL IS **ADEQUATE** TO SERVE THE PROPOSED PROJECT. (Use additional sheets if necessary.)
Please indicate what improvements, or revisions to the proposal are needed for you to provide adequate service to this project.

SIGNATURE: _____ POSITION: _____ DATE: _____

☒ SERVICE LEVEL IS **INADEQUATE** TO SERVICE THE PROPOSED PROJECT.
Please indicate why the service level is inadequate. A RECORD EXISTS FOR ONE HOME WITH AN EXISTING SEPTIC SYSTEM. THE PROPOSED NEW HOME SITE WILL REQUIRE A SITE EVALUATION TO BE DONE.

SIGNATURE: Jerry Lowton, REHS POSITION: SENIOR ENVIRONMENTAL HEALTH SPECIALIST DATE: 6/13/07

Service Pro General 05/30/06

History of AF-10 to AF-5 Zone Changes and Plan Amendments

AF-10 to AF-5 as Zone Changes (through 1982)

In the late 1970s, AF-10 and AF-5 were both implementing zones for the Rural Intermediate Plan Designation in the Comprehensive Plan. At the time of the Rodriguez acquisition in 1981, the change from AF-10 to AF-5 was processed as a zone change. (See Exhibit 1- File No. 79-679-Z.) The county hearings officer notes in that decision that:

"The uses permitted in each zone are the same. The only difference is minimal parcel size. Therefore, there is a relatively small degree of change involved and consequently, the burden of proof to substantiate the change is relatively slight. Neither the Zoning Article nor the Comprehensive Framework Plan express criteria for evaluating a change from AF-10 to AF-5. This fact is not a reason for refusing to act on the request on its merits. In the absence of express criteria, a general consideration of the relative impact of the higher density must be made in the context of existing development patterns, availability of services consistent with the proposed density and need." (79-679-Z, p. 2)[1]

The spirit of that interpretation held in Washington County for the next 21 years, despite significant changes to the land use system. The county adopted Exception Areas in 1982, and at about the same time the county was moving into a transition between the zone change described above and the subsequent shift to singular plan designations requiring a plan amendment to change the designation. In regard to AF-10 and AF-5, the county approved several zone changes in 1982, after Exception Areas had been created (See Exhibits 2, 3 and 4 - Case File Nos. 82-335-Z, 82-428-Z and 82-429-Z), but before plan amendments were required.

Even though the changes to the county's code and comprehensive plan required more detailed findings in relation to county exception areas, it was still County policy - through consistent interpretation of the intent and purpose sections - to allow transfers from AF-10 to AF-5. The following paragraph is a summary of County policy reported in a staff report in 1994:

> "Under the 1982 Plan, there was one plan designation for exception areas. Changes from AF-10 to AF--5 were similar to today's standards, except there was no Policy 1, Implementing Strategy p. At the time, the Intent and Purpose of the AF-10 District stated that it "may serve as a transitional zone for areas intended for rural use under the AF-5 zone when such is appropriate." The Exception Statement Document identifies the number of potential additional parcels based on the AF-5 designation for each exception area." (Exhibit 5: Case File 94-619-PA, Staff Report page 4)

---

[1] In addition, the code allowed a variance to the minimum lot size in AF-10 for lots as small as eight acres. The primary approval criterion was finding that the intent and purpose of the AF-10 District "are preserved." Section 186-1.3 (CDC adopted 8/5/1975)

In December 1983, the County adopted the Rural/Natural Resource Plan, in which changes from AF-10 to AF-5 were based on Policy 1, Implementing Strategy p.2. The County also adopted a new Development Code in December 1983, which removed the transition-to-AF-5 phrasing from the AF-10 purpose statement. This is the version of the code that was acknowledged by LCDC in 1984.

AF-10 to AF-5 as Plan Amendments (1983-2000)

Despite the revised and more complex code requirements for a change from AF-10 to AF-5, staff interpretation of the relationship between the two districts remained faithful to the continuing interpretation, as shown by the following quote from staff report (Casefile 85-86-M) concerning Tax Lot 818, a parcel now owned by the applicant that is immediately east of the subject property:

> "The intent and purpose of the AF-5 and AF-10 Districts are identical, except that the AF-10 District also states that 'this district is appropriate in rural lands with steep topographic characteristics where there are limited public facilities and services.' By comparing the two intents and purposes it is apparent that AF-10 District is intended to apply to lands that cannot support AF-5 densities because of adverse slopes and limited public facilities. In this case, the site has slopes ranging from 3-30 % with 85% of the site in the 3-20% range. All of the public facilities and services are adequate and the site can support AF-5 densities, therefore this request complies with the intent of the requested district (AF-5).
> * * * * *
> "The site is within a physically developed and committed area (Area 131) which is served by rural services which can support AF-5 densities. In particular the site is served by a rural community water system. The Rural/Natural Resource Plan Element clearly intended that such AF-10 areas be allowed to change to the AF-5 District when rural services are adequate and physical characteristics permit it.
>
> "The request does not require a new or modified exception pursuant to OAR 660-04-018(1) since the County clearly intends AF-10 lands to be designated as AF-5 when the Plan policies and the intent and purpose of the AF-5 District can be met." (Exhibit 6: Casefile 85-86-M, Staff Report page 10)

LCDC acknowledged the code with the same intent and purpose for AF-10 and AF-5, and LCDC agreed with strategy of not requiring a new exception for plan amendments within the boundaries of an existing exception area.

The Rodriguez property is located within Exception Area 131 (Exhibit.7), and it has gentle slopes. (Exhibit 8) The county findings for Exception Area 131 state a potential of 68 additional lots based on changes to an AF-5 designation. In 1985 and1986, the County approved at least two other AF-10 to AF-5 plan amendments in Exception Area 131. (Exhibit 9 - Casefiles 85-422-M & 86-72-M) There is no doubt

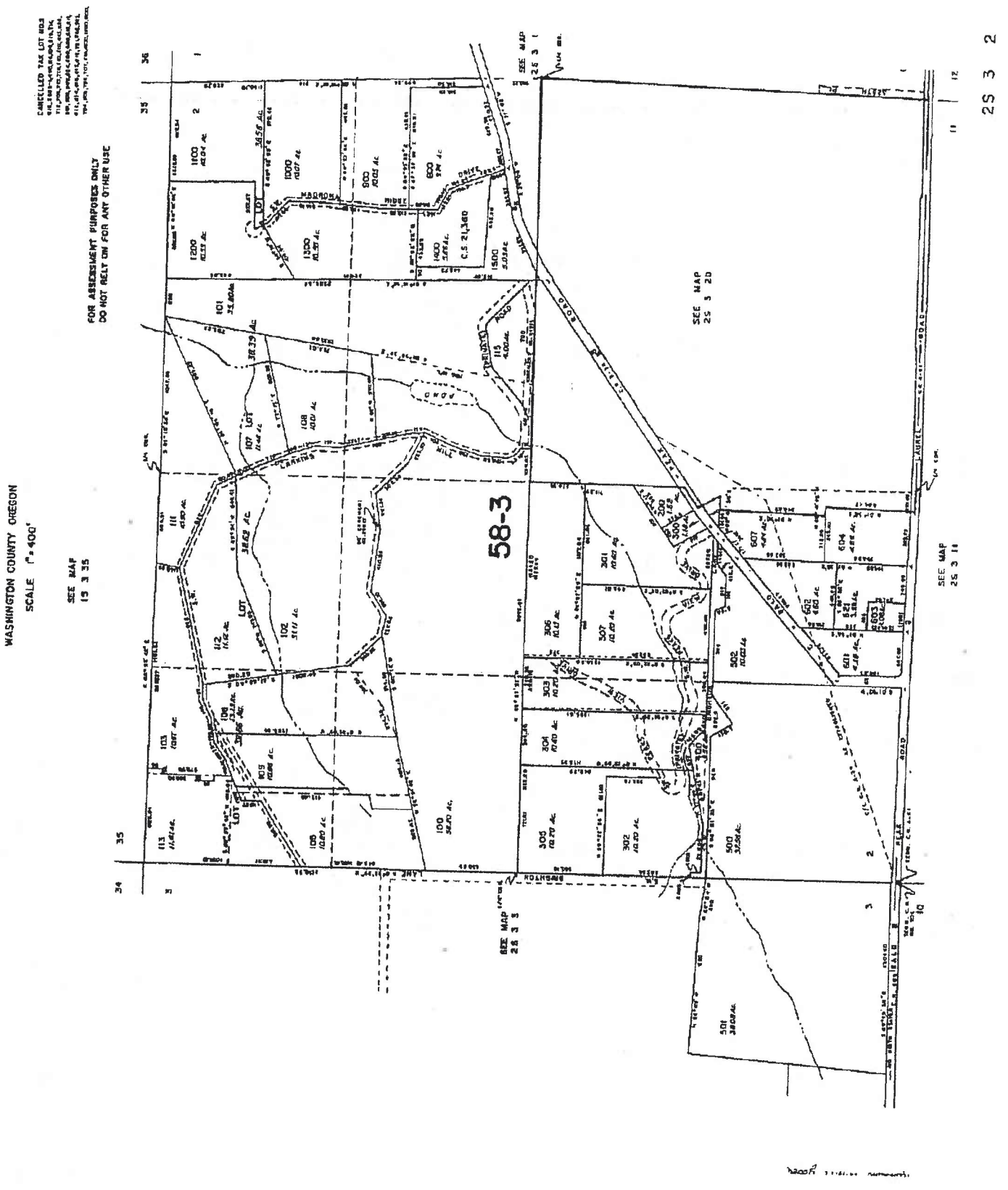
that the subject property could have been changed to AF-5 and subsequently divided and developed as two five-acre parcels.

Throughout the 1980s and 1990s, the County granted the large majority of requests for plan amendments from AF-10 to AF-5 designations. Our review of county decisions prior to 2000 reveal that a denial of an application from AF-10 to AF-5 was a rarity based on site-specific issues.

The string of approved AF-10 to AF-5 plan amendments came to a sudden stop late in 2000, in reaction to new state law that required Goal 14 exceptions for the plan amendment. According to Planning Division records maintained on the county web page, in 2000 the County approved all six requested plan amendments from AF-10 to AF-5. Suddenly, however, there were no applications for an AF-10 to AF-5 plan amendment submitted in 2001, 2002, 2003, 2004, 2005, and 2006. (See Exhibit 10.) The flurry of applications decided in 2000, and the subsequent complete lack of applications is clear evidence of a complete change in county policy, precipitated by the state's rural residential rule effective in October 2000. (OAR 660-004-0040)

Rodriguez Plan Amendment - AF-10 to AF-5
06-389-PA

Well Table Summary for 2S3 By Section & Year							
Section	Time Period	Number of Wells	Average Depth	Average Static Level	Average Yield in gpm	Purpose	
						New	Deepen
2	To 1969	1	230	150	20	1	0
	1970 - 1979	18	263	159	25	18	0
	1980 - 1989	17	336	192	26	15	2
	1990 - 1999	7	387	200	43	6	1
	2000 - Present	4	372.5	246	39	4	0
3	To 1969	2	239	92	9	2	0
	1970 - 1979	3	310	205	11	3	0
	1980 - 1989	2	577.5	405	16	2	0
	1990 - 1999	1	560	356	50	1	0
	2000 - Present	3	493	335	41	3	0
10	To 1969	4	279	143	8	4	0
	1970 - 1979	11	390	212	27	11	0
	1980 - 1989	5	338	141	25	5	0
	1990 - 1999	7	484	242	20	6	1
	2000 - Present	1	550	336	30	0	1
11	To 1969	5	302	244	14	5	0
	1970 - 1979	17	295	161	72	16	1
	1980 - 1989	6	300	172	22	6	0
	1990 - 1999	14	436	230.5	30	11	3
	2000 - Present	1	646	251	30	0	1


WASHINGTON COUNTY OREGON
SCALE 1"=400'
FOR ASSESSMENT PURPOSES ONLY
DO NOT RELY ON FOR ANY OTHER USE
58-3
SEE MAP
2S 3 2
SEE MAP
2S 3 1
SEE MAP
2S 3 2D
SEE MAP
2S 3 1D
SEE MAP
2S 3 3
SEE MAP
2S 3 1
C.S. 21,360

RECEIVED
APR 18 1988
WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

Start card No. 930 → 1780
25/3W-2ad

(1) OWNER: Well Number
Name Mr + Mrs Phil Wilcox
Address Rt 3 Box 230 C
City Sherwood State Oregon Zip 97140

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 275 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
11	0	109	Cement	0	109	39 Bags
6	109	275				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	100	160 PSI	☐	☒	☒	☐
	6	100	109	200 PSI	☐	☒	☒	☐
Liner:	4	0	275		☐	☒	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method 5/8" circular drill
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
165	185		60	5/8" circular		☐	☒
235	275		120	5/8" circular		☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20		275	4 hr.

Temperature of water 52 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S, Range 3W E or W, WM.
Section 2 SE ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) Rt. 3 Box 230 C
Sherwood, Oregon

(10) STATIC WATER LEVEL:
165 ft. below land surface. Date April 7, 88
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 165 ft ½ g.p.m

From	To	Estimated Flow Rate	SWL
165	167	5 G.P.M	
196	198	3 G.P.M	
256	257	7 G.P.M	
263	264	4 G.P.M	

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Topsoil	0	2	
Brown & Red Clays	2	60	
Brown Decomposed Clay	60	81	
Brown & Yellow Decomposed Rock	81	99	
Brown Basalt	99	103	
Hard Blue Basalt	103	165	
Brown & Blue Basalts with Fractured layers	165	196	
Hard Blue Basalts	196	235	
Brown & Blue Basalts with Fractured layers	235	256	
Hard Blue Basalt	256	275	

Date started April 1, 88 Completed April 7, 88

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 765
Signed James M. Wilcox Date April 11, 88

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 0800C 10/88

RECEIVED 1780

APR 06 1988

WATER RESOURCES DEPT.
SALEM, OREGON

"START CARD"

NOTICE OF BEGINNING OF WELL CONSTRUCTION
(as required by ORS 537.762)

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original delivered to the Water Resources Department prior to commencement of construction, alteration or abandonment of each well.

Owner's Name and Mailing Address: Mr & Mrs Phil Wills
Rt 3 Box 230C
Sherwood, OR 97140

Proposed Commencement Date: April 1, 1988

Proposed Well Depth: 250 Diameter: 6

and Use:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

Proposed Well Location: County: Washington

Township: 2S (N or S) Range: 3W (E or W) Section: 2

At least 2 of these must be provided:

1. SE 1/4 of NE 1/4 of above section
2. street address of well location: Rt. 3 Box 230C. Sherwood, Or
3. tax lot number of well location:
4. attach approved map with location identified.
(see reverse of this form for approved maps)

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tanks and septic drain fields.

X Phillip M Wills
Owner's Signature

OWNER
Title

Mar. 31, 88
Date

X James F. Welcox
Bonded Water Well Constructor

License No. 765

Company Welcox Drilling & Pump Co.

Note: This is not a Water Right application. The owner is responsible for obtaining a Water Right through the Water Resources Department if required.

Form 537.762 1987

RECEIVED
APR 6 1988
WATER RESOURCES DEPT.
SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Wash 831

State Well No. 2S/3W-2b
State Permit No.

(1) OWNER:
Name Richard C. Wise/ K & W Homes, Inc.
Address 8209 S.W. 184th, Beaverton, OR

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
[illegible] ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +2 ft. to 58 ft. Gage ¼
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
d: gal./min. with ft. drawdown after hrs.
irlifted 14 GPM from 485 "after 1½hrs.
" " " "
Baller test gal./min. with ft. drawdown after hrs.
sian flow g.p.m.
nperature of water 48 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to ft.
Diameter of well bore to bottom of seal in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 16 sacks
How was cement grout placed? Pressure pumped
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 210
¼ NW ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 105 ft.
Static level 340 ft. below land surface. Date 2/15/80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 485 ft. Depth of completed well 485 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	20	
Brown Clay & Rock	20	40	
Hard Brown Basalt	40	55	
Hard Gray Basalt	55	65	
Hard Brown Basalt	65	70	
Hard Gray Basalt	70	85	
Hard Brown Basalt	85	90	
Hard Gray Basalt	90	100	
Hard Brown Basalt	100	115	
Hard Gray Basalt	115	135	
Hard Blk & Brown Basalt decomposed	135	160	
Hard Gray Basalt	160	280	
Hard Blk & Brwn. Basalt	280	295	
Hard Gray Basalt	295	335	
Hard Black Basalt	335	345	
Hard Gray Basalt	345	355	
Hard Blk. & Brwn. Basalt	355	375	
Hard Gray Basalt	375	415	

Work started 19 Completed 19
Date well drilling machine moved off of well 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] [illegible] Date 3/15, 1980
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling
(Person, firm or corporation) (Type or print)
Address 129 N. Main, Newberg, OR
[Signed] [illegible]
(Water Well Contractor)
Contractor's License No. 645 Date 3/15, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*46606-119

PAGE C

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

WASH 831

PAGE 2

State Well No. 2S/3W-26

State Permit No.

(1) OWNER:

Name Richard C. Wise /K&W Homes, Inc.

Address 8989 S/

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
D ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☐

....." Diam. from .... ft. to .... ft. Gage ....
....." Diam. from .... ft. to .... ft. Gage ....
....." Diam. from .... ft. to .... ft. Gage ....

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ No.

Type of perforator used

Size of perforations in. by in.

.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No

Manufacturer's Name

Type Model No.

Diam. .... Slot size .... Set from .... ft. to .... ft.

Diam. .... Slot size .... Set from .... ft. to .... ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

d: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Bailer test gal./min. with ft. drawdown after hrs.

sian flow g.p.m.

nperature of water Depth artesian flow encountered .... ft.

(9) CONSTRUCTION:

Well seal—Material used

Well sealed from land surface to .... ft.

Diameter of well bore to bottom of seal .... in.

Diameter of well bore below seal .... in.

Number of sacks of cement used in well seal .... sacks

How was cement grout placed?

Was a drive shoe used? ☐ Yes ☐ No Plugs .... Size: location .... ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☐ No Size of gravel: ....

Gravel placed from .... ft. to .... ft.

(10) LOCATION OF WELL:

County Driller's well number

¼ ¼ Section T. R. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
+++ PAGE 2 +++			
Brown Basalt	415	425	
Hard Gray Basalt	425	450	
Hard Blk. & Brown Basalt	450	470	
Hard Gray Basalt	470	485	

Work started 2/12/80 19 Completed 2/15/80 19

Date well drilling machine moved off of well 2/15/80 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] .... (Drilling Machine Operator) Date 3/15 19 80

Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Arrow Drilling (Person, firm or corporation) (Type or print)

Address 729 N. Main Newberg, OR

[Signed] .... (Water Well Contractor)

Contractor's License No. 645 Date 3/15 19 80

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*46656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
MAY 9 1974
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON (Please type or print) (Do not write above this line)

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Mr. Paul Miller
Address 1649 N.E. Barberry Dr.
Hillsboro Ore. 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 5/8OD" Diam. from 0 ft. to 80 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 20 gal./min. with 20 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used cement
Well sealed from land surface to 80 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 5 sacks
Number of sacks of bentonite used in well seal 0 sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner 0 0 0

(11) WATER LEVEL: Completed well.
Depth at which water was first found 220 ft.
Static level 205 ft. below land surface. Date 5-2-74
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 255 ft. Depth of completed well 255 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top soil	0	5	
red clay	5	22	
gray clay	22	31	
soft gray rock	31	70	
med hard gray basalt	70	79	
hard basalt	79	101	
med hard blue basalt	101	113	
hard basalt	113	122	
med blue basalt	122	147	
soft layer water run away	147	150	
med hard blue black basalt	150	162	
very hard blue basalt	162	185	
hard blue basalt	185	221	
med hard basalt with some broken porus layers-water here	221	248	
grevis med hard basalt	248	253	
hard blue basalt	253	255	205

Work started 4-18 19 74 Completed 5-2 19 74
Date well drilling machine moved off of well 5-2 19 74

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John A Meeker (Drilling Machine Operator) Date 5-7- 19 74
Drilling Machine Operator's License No. 50

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name JOHN MEEKER WELL DRILLING (Person, firm or corporation) (Type or print)
Address 2902 Hoover Blvd, Newberg, Ore 97132
[Signed] John A Meeker (Water Well Contractor)
Contractor's License No. 111 Date 5-7 19 74

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45056-110

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
NOV 17 1971
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Wash

State Well No. 2/3W-2

State Permit No. _____

(1) OWNER:
Name D. A. Barnes
Address 174 S.E. 12th Ave. Hillsboro Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☒ Welded ☐
6" Diam. from 0 ft. to 92 ft. Gage .280
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type _____ Model No.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " " "
" " " " "
Baler test 20 gal./min. with 10 ft. drawdown after 1½ hrs.
Artesian flow _____ g.p.m.
Temperature of water 53 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal Co in.
Number of sacks of cement used in well seal 2 sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? ☒ Yes ☐ No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ depth of strata _____
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T. 2 R. 3 W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 162 ft.
Static level 128 ft. below land surface. Date Nov 11 71
Artesian pressure _____ lbs. per square inch, Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 172 ft. Depth of completed well 172 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Soil	0	2	
Red clay	2	30	
Yellow "	30	50	
Light rock soft	50	77	
Brown " "	77	91	
Blue rock	91	104	
Brown "	104	140	
Blue "	140	162	44
Rock "	162	172	44

Work started Oct 26 19 71 Completed Nov 11 19 71
Date well drilling machine moved off of well Nov 15 1971

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] E. M. Gregory (Drilling Machine Operator) Date Nov 16, 1971
Drilling Machine Operator's License No. 207

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name E. M. Gregory Drilling Co. (Person, firm or corporation) (Type or print)
Address Rt 1, Box 159 Banks, Oregon 97106
[Signed] E. M. Gregory (Water Well Contractor)
Contractor's License No. 99 Date Nov 16, 1971

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*(8656-110

14

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

Wash 1100

RECEIVED

SEP 18 1991

WATER RESOURCES DEPT.

25/3W-2 ad

(START CARD) # 34844

(1) OWNER:

Well Number: WATER RESOURCES DEPT. LEAVE CODE Wash

Name Gary Kurtz

Address 15274 SW Teal Ct C

City Beaverton State OR Zip 97007

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 480 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	18	Bentonite	0	18	12 Bags
6	18	480				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	59	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4.5	-5	480		☐	☒	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) 59

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Drill hole

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
470	450	5/8	2 per	5/8		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
~~470~~ 7gpm		470	1 hr.

Temperature of water 52° Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

Latitude Longitude

Township 2 S N or S. Range 3 W E or W. WM.

Section 2 SE ¼ SW ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) 33460 SW Larkin Mill Rd Hillsboro OR

(10) STATIC WATER LEVEL:

380 ft. below land surface. Date 9-16-91

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 480

From	To	Estimated Flow Rate	SWL
420	430	7 gpm	380

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
clay Red	0	52	
Hard Blue sandstone	52	95	
Blue Basalt	95	260	
Blue Gray Sandstone	260	278	
Basalt	278	480	380

Date started 10 Sept 91 Completed 12 Sept 91

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number

Signed Date 6-16-91

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 9/88

18

WASH 1606

2S/3W/2dc

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 38593

(1) OWNER: Well Number

Name GARY BAKER

Address 33119 SW LAURREL RD

City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK:

☐ New Well ☒ Deepen ☒ Recondition ☐ Abandon

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 650 ft.

Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
5	340	650				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	140	497	.237	☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☒ Perforations Method TORCH CUT

☐ Screens Type Material STEEL. 237

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
477	497	1/8x12	60			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
40-50		650	1 hr.
30-35		625	"
20		550	"

Temperature of Water 56° F Depth Artesian Flow Found

Was a water analysis done? ☒ Yes By whom AMJ

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude Longitude

Township 2S N or S. Range 3W E or W. WM.

Section 2 SW ¼ D SE ¼

Tax Lot 613 Lot Block Subdivision

Street Address of Well (or nearest address) 33119 SW LAUREL RD HILLSBORO, OR 97124

(10) STATIC WATER LEVEL:

408 ft. below land surface. Date 08/20/92

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 430

From	To	Estimated Flow Rate	SWL
430	495	8-10 gpm	408
588	650	32-40 gpm	408

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Existing well w/5" liner casing	0	340	
5" liner stuck in place	45	305	
(well bore drift to N but straight)			
Grout existing hole 33.sks+gel	180	340	
Drilled out & checked for leaks, dry	@340		
Black & gray-black basalt, hard, occ creviced	340	430	
Black basalt, lava, brkn. loose zones	430	475	408
Brown basalt, occ red-brown, lava broken	475	495	408
Gray-black basalt, hard, occ. creviced	495	580	
Black basalt	580	588	
Black&brown basalt, soapstone	588	605	408
Gray-black basalt, hard, occ broken streaks	605	650	408

Date started 07/27/92 Completed 08/20/92

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 573

Signed Date 08/24/92

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2S/3W/2ak

52116 (START CARD) #

RECEIVED
SEP 13 1993
WATER RESOURCES DEPT.
SALEM, OREGON

WASH 2396

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(1) OWNER: Well Number
Name Orlo W. and Mary H. Bartland
Address 2811 A Jackson Drive S.
City Independence State MO Zip 64057

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☑ No Depth of Completed Well 300 ft.
Explosives used ☐ Yes ☑ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	88	Cement +	0	88	55
			Bentonite			
6	88	300				

How was seal placed: Method ☐ A ☐ B ☑ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	88	250	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	20	300		☐	☑	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) 88

(7) PERFORATIONS/SCREENS:
☑ Perforations Method DRILL
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
280	300		60	3/8		☐	☑
100	280		54	5/32		☐	☑
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
36		280	1 hr.

Temperature of Water 50 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S. Range 3W E or W. WM.
Section 2 NW ¼ NE ¼
Tax Lot 108 Lot Block Subdivision
Street Address of Well (or nearest address) 33635 S.W. Parkins Mill Rd, Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
70 ft. below land surface. Date 9-6-93
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 130

From	To	Estimated Flow Rate	SWL
130	136	5	70
214	220	10	70
264	291	2	

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
BRN CLAY	0	5	
Red CLAY	5	12	
BRN CLAY	12	34	
BRN CLAY + Boulders	34	42	
Weathered Rock	42	63	
GREY Rock	63	114	
BRN Seamy Rock	114	136	70
GREY Rock	136	150	
BRN Seamy Rock	150	155	
GREY Rock	155	177	
BRN Seamy Rock	177	192	
GREY Rock	192	214	
BRN/GREEN Seamy Rock	214	220	70
DARK GREY Rock	220	264	
BRN POROUS Rock	264	291	70
GREY Rock	291	300	

Date started 9-1-93 Completed 9-6-93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 715
Signed Dan Fraker Date 9-9-93

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18

2S/3W/2dd

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WASh 3530

(START CARD) # 61183

(1) OWNER: Well Number

Name MARTY OPPENLANDER
Address 895 SW BASELINE
City HILLSBORO State OR Zip 97124

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 205 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	104	Cement/Gel	0	104	17 sks.
6	104	205				

How was seal placed: Method ☐ A ☐ B ☐ C ☒ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	104	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
16		200	1 hr.

Temperature of Water 54° F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMJ
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S. Range 3W E or W. WM.
Section 2 SE ¼ NE ¼
Tax Lot 1400 Lot Block Subdivision
Street Address of Well (or nearest address) 12785 SW MADRONNA RDG. HILLSBORO, OR 97123

(10) STATIC WATER LEVEL:
134 ft. below land surface. Date 11/22/93
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 183

From	To	Estimated Flow Rate	SWL
183	200	16 gpm	134

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Topsoil	0	1	
Brown clay	1	4	
Sticky red-brown clay	4	64	
Decomp brown basalt	64	87	
Firm gray-brown basalt	87	172	
Soft Black basalt	172	183	
Firm gray-brown basalt w/soft brown interbeds	183	200	134
Firm gray basalt	200	205	

RECEIVED
NOV 26 1993
WATER RESOURCES DEPT
SALEM, OREGON

Date started 11/19/93 Completed 11/22/93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266
Signed Date 11/23/93

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C (DF)

18

WASH 11216

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

RECEIVED
SEP 18 1995
WATER RESOURCES DEPT.
SALEM, OREGON

02S/03W/02 A

(START CARD) # 83859

(1) OWNER: Well Number

Name JORY RADKE

Address 408 NE BIRCHWOOD LN.

City HILLSBORO State OR Zip 97124

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 325 ft.

Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	110	cem./bent.	0	110	30 sks.+ gel
6"	110	325				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[ ] Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	110	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	25	325	200 psi	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[X] Perforations Method drilled

[ ] Screens Type Material PVC 200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
295	325		120	½"	pipe	[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
32		325	1 hr.
24		225	½hr.

Temperature of water 53°F Depth Artesian Flow Found

Was a water analysis done? [X] Yes By whom AMJ

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude Longitude

Township 2S N or S Range 3W E or W. WM.

Section 2 NE 1/4 1/4

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) Jory Radke Larkins Mill Rd.

(10) STATIC WATER LEVEL:

110 ft. below land surface. Date 9-11-95

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 310'

From	To	Estimated Flow Rate	SWL
310	325	32 gpm	110

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Red-brown & brown clay w/occ. boulders	1	27	
Soft brown& red-brown decomp. rock	27	36	
Firm gray & gray-brown clay-stone	36	69	
Firm red-brown decomp. rock	69	74	
Soft gray-brown basalt	74	84	
Firm gray & gray-brown basalt w/soft streaks	84	147	
Soft gray-brown basalt w/ firm gray streaks	147	157	
Hard gray-brown basalt w/ firm streaks	157	205	
Hard gray & gray-black basalt w/firm streaks	205	310	
Gray-brown broken basalt	310	323	110
Hard gray basalt	323	325	110

Date started 9-7-95 Completed 9-11-95

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 1492

Signed Mel Bigby Date 9-12-95

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266

Signed Jon Isaacs Date 9-12-95

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RECEIVED WASH
FEB - 6 1989 013331
WATER RESOURCES DEPT SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 9372

(1) OWNER: Well Number: SALEM

Name: Bernd Kuehn
Address: 1245 N. E. Davis Court
City: Hillsboro State: OR Zip: 97124

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 210 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	83	Cement	0	83	Cement & gel
6"	83	210				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	83	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
18		200	1 hr.
8		150	

Temperature of water 60° F Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2 S N or S, Range 3 W E or W, WM.
Section 2 SE ¼ SE ¼
Tax Lot 705 Lot Block Subdivision
Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:
95 ft. below land surface. Date 1/31/89
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 95

From	To	Estimated Flow Rate	SWL
95	115	4 gpm	95
140	144	4 gpm	"
189	197	5 gpm	"
197	210	5 gpm	"

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Red-brown clay, sticky	0	20	
Red-brown decomposed rock	20	25	
Brown basalt, weathered, occ. clay	25	58	
Gray clay, occ. gritty	58	66	
Brown basalt, weathered	66	72	
Brown basalt	72	78	
Brown & black basalt, occ. gray-brown	78	115	WB
Gray-black basalt, hard	115	140	
Brown basalt & lava	140	144	WB
Black basalt, occ. lava, brown & gray-brown	144	189	
Black & brown basalt, broken	189	197	WB
Gray-black basalt, occ. lava streak	197	210	WB

Date started 1/30/89 Completed 1/31/89

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 2/2/89

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STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

RECEIVED WASH
013332
JUL 12 1989
WATER RESOURCES DEPT
SALEM, OREGON

2S/3W/2

(START CARD) # 8063

(1) OWNER: Well Number 598

Name Ken Leahy

Address P.O. Box 489

City Cornelius, State OR Zip 97113

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 345 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	79'	Cement	0'	79'	23 Sacks
6"	79'	345'				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	79	.025	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	-2'	345'	160#	☐	☒	Glued	☐
					☐	☐	☐	☐

Final location of shoe(s) 79'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Grinding Wheel

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
285	295	¼x10	9			☐	☒
315	345	¼x10	27			☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25 GPM		345	1 hr.
20 GPM		305'	

Temperature of water 54° Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude Longitude

Township 2-S N or S, Range 3-W E or W, WM.

Section 2 ¼ ¼

Tax Lot 306 Lot Block Subdivision

Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:

240' ft. below land surface. Date 6/20/89

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 85'

From	To	Estimated Flow Rate	SWL
85'	95'	1 GPM	n/a
130'	140'	2 GPM	n/a
285'	335'	22 GPM	240'

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Red Brown Clay	0	15	
Hard Broken Rock & Bolders	15	25	
Hard Brwn. Broken Rock & Clay	25	45	
Hard Brwn. Broken Basalt w/ inner beds of Clay	45	70	
Hard Gray/Brown Basalt	70	85	
Hard Blk & Brwn. Basalt w/ Decomposed Soapstone	85	95	
Med. Hard Gray/Brwn Bas.	95	130	
Hard Blk.& Brwn. Basalt	130	140	
Med. Hard Gray Basalt	140	155	
Hard Gray Basalt	155	225	
Med. Hard Gray/Brwn Bas.	225	260	
Hard Gray Basalt	260	285	
Med. Hard Gr/Brwn. Basalt	285	335	
Hard Gray Basalt	335	345	

Date started 6/14/89 Completed 6/21/89

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 645

Signed [signature] Date 7/10/89

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WASH 013333 RECEIVED JUL -5 1989 WATER RESOURCES DEPT SALEM, OREGON

2s/3w/2 c6

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

(START CARD) # 10638

(1) OWNER:

Name Roger Harris Well Number

Address Rt. 2, Box 341

City Hillsboro State OR Zip 97123

(2) TYPE OF WORK:

☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 465 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
5-7/8	355	465				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30		460	1 hr.
12		430	

Temperature of water Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude ° ' Longitude ° '

Township 2 S N or S, Range 3 W E or W, WM.

Section 2 NW ¼ SW ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) T y 2, Box 341 Hillsboro, ORegon 97123

(10) STATIC WATER LEVEL:

365 ft. below land surface. Date 6/29/89

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 447

From	To	Estimated Flow Rate	SWL
447	455	10 gpm	365
455	462	20 gpm	"

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
~~Previous depth~~	0	355	
~~Hard gray basalt~~ broken 405 - 419	355	447	
Soft black basalt	447	455	
Frim gray-black basalt	455	465	

Date started 6/29/89 Completed 6/29/89

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266

Signed Date 6/30/89

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9509C 3/88

JUN 1 1990 WRD 013334

2S/3W/2AC 1

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPT.
SALEM, OREGON

(START CARD) # 8972

(1) OWNER: Well Number: 1
Name Mark Arthur + Nora Curtis
Address 8190 S.W. 162nd Place
City Aloha State Oregon Zip 97007

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 285 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	118	Cement	0	118	46
6	118	285	—	—	—	—

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	119	.250	☒	☐	☒	☐
Liner:	4	65	285	160	☐	☒	☐	☐

Final location of shoe(s) 119

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Drilled
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
205	285	—	320	9/16	4	☐	☒

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
6 1/2	96	250	1 hr.

Temperature of water 54 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☒ Other in grout hole
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S, Range 3W E or W, WM.
Section 2 SW ¼ NE ¼
Tax Lot 1500 Lot Block Subdivision
Street Address of Well (or nearest address) No address

(10) STATIC WATER LEVEL:
154 ft. below land surface. Date 5-24-89
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 109

From	To	Estimated Flow Rate	SWL
109	113	2	
198	285	6 1/2	

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Topsoil	0	1	
Red Clay	1	15	
Brown Clay	15	113	
Basalt	113	198	
Fractured Basalt	198	285	154

Date started 5-21-89 Completed 5-24-89

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1221
Signed Larry G. Evey Date 5-24-89

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 6500C 5/88

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

WASH 013335 RECEIVED AUG - 3 1988 WATER RESOURCES DEPT SALEM, OREGON

2S/3W-2

(1) OWNER:

Well Number 547

Name Dennis & Nancy England

Address 1894 N.W. 2nd

City Hillsboro State OR Zip 97124

(2) TYPE OF WORK:

[X] New Well [ ] Deepen [ ] Recondition [ ] Abandon

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes [ ] No [X] Depth of Completed Well 385' ft.

Explosives used Yes [ ] No [X] Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	105'	Cement	0'	95'	32 sacks
6"	106'	385'				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[ ] Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	107'	.025	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 107'

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method

[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
15GPM		385'	1 hr.

Temperature of water 56° Depth Artesian Flow Found

Was a water analysis done? [ ] Yes By whom

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude Longitude

Township 2-S N or S, Range 3-W E or W, WM.

Section 2 ¼ ¼

Tax Lot 111 Lot Block Subdivision

Street Address of Well (or nearest address) Rt. Box 298

(10) STATIC WATER LEVEL:

165' ft. below land surface. Date 7/29/88

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found

From	To	Estimated Flow Rate	SWL
305'	325'	5 GPM	
355'	380'	10 GPM	

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Top Soil	0	3	
Red/Brown Clay	3	15	
Soft. Decomp. Brown Basalt	15	30	
Brown Clay & Rock	30	75	
Hard Gray Basalt	75	85	
Soft. Gray Decomp. Basalt	85	100	
Hard Gray Basalt	100	145	
Hard Gray/Brown Basalt	145	175	
Hard Gray Basalt	175	210	
Hard Gray/Brwn. Basalt	210	220	
Hard Gray Basalt	220	265	
Hard Gray/Brown Basalt	265	270	
Hard Gray Basalt	270	300	
Hard Black & Brown Basalt	300	305	
Hard Gray/Brown Basalt	305	325	
Hard Gray Basalt	325	355	
Hard Gray/Brown Basalt	355	380	
Med. Hard Gray Basalt	380	385	

Date started 7/26/88 Completed 7/29/88

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 645

Signed Date 8/2/88

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809O 10/88

RECEIVED
MAY 10 1988
WATER RESOURCES DEPT
WASHINGTON COUNTY, OREGON

2S/3W-28b
WASH 013336

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

START CARD # 3304

(1) OWNER: Well Number: 530
Name Mark Sneed
Address P.O. Box 1729
City Beaverton State OR Zip 97075

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 425 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	70'	Cement	0'	90'	19 sacks
8"	70'	98'				
6"	99'	425'				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	100'	.025	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
9 GPM		425'	1 hr.

Temperature of water 56° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S, Range 3-W E or W, WM.
Section 2 NW ¼ NW ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) Rt. 2, Box 80.
Hillsboro, OR

(10) STATIC WATER LEVEL:
300' ft. below land surface. Date 4/6/88
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 395'

From	To	Estimated Flow Rate	SWL
395'	410'	9 GPM	

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Top Soil	0	3	
Sticky Red Clay	3	35	
Soft Decomposed Brown Rock	35	45	
Med. Hard Brown Decomposed Basalt	45	70	
Hard Brown/Gray Basalt	70	80	
Med. Hard Brown Decomp. Basalt	80	90	
Hard Gray Basalt	90	270	
Hard Gray/Brown Basalt	270	290	
Hard Gray Basalt	290	305	
Black & Brown Decomp. Basalt	305	310	
Hard Gray/Brown Basalt	310	326	
Hard Gray Basalt	326	345	
Hard Gray/Brown Basalt	345	385	
Hard Gray Basalt	385	395	
Hard Gray/Brown Basalt	395	410	
Hard Gray Basalt	410	425	

Date started 4/1/88 Completed 4/7/88

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 645
Signed Date 5/5/88

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 8809C 10/86

RECEIVED
APR 05 1988
WATER RESOURCES DEPT.
SALEM, OREGON

No. 3304

RECEIVED
APR 11 1988
WATER RESOURCES DEPT.
SALEM, OREGON

"START CARD"
NOTICE OF BEGINNING OF WELL CONSTRUCTION
(as required by ORS 537.762)

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original delivered to the Water Resources Department prior to commencement of construction, alteration or abandonment of each well.

Owner's Name and Mailing Address: Mark Snead
P.O. Box 1729
Beaverton, ORE

Proposed Commencement Date _____

Proposed Well Depth 385, Diameter 6"

and Use:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

Proposed Well Location: County WASH

Township 2-S (N or S) Range 3-W (E or W) Section 2

At least 2 of these must be provided:

1. NW 1/4 of NW 1/4 of above section
2. street address of well location Rt 2 Box 80 Hillsboro
3. tax lot number of well location _____
4. attach approved map with location identified. (see reverse of this form for approved maps)

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tanks and septic drain fields.

x _____ Owner's Signature

owner of property Title

3/3/88 Date

_____ Bonded Water Well Constructor

License No. 645

Company Aaron Drilling

Note: This is not a Water Right application. The owner is responsible for obtaining a Water Right through the Water Resources Department if required.

Form 537.762 1987

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NOV 13 1987
WATER RESOURCES DEPT.
SALEM, OREGON

WASH 013337 2S/3W-2

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(1) OWNER:
Name Lila Ashenbrenner
Address 1859 S.E. Flanders
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 365 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	99'	Cement	0'	95'	20 Sacks
9-7/8	60'	99'				
6"	99'	365'				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	99'	.025	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	-2'	365	160#	☐	☒	glued	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Grinding Wheel
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
305'	335'	10x⅛	27			☐	☒
355'	365'	10x⅛	9			☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20 GPM		365'	1 hr.

Temperature of water 56° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S, Range 3-W E or W, WM.
Section 2 ¼ ¼
Tax Lot 106 Lot Block Subdivision
Street Address of Well (or nearest address) Rt. 2, Box 308,

(10) STATIC WATER LEVEL:
240' ft. below land surface. Date 10/12/87
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 310

From	To	Estimated Flow Rate	SWL
310'	345'	13 GPM	
365'		7 GPM	

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Top Soil	0	2	
Brown Clay	2	8	
Reddish-Brown Clay	8	60	
Med. Hard Brown Decomp. Basalt	60	75	
Hard Brown Decomp. Basalt	75	95	
Hard Black & Brown Basalt	95	120	
Hard Blk.& Brwn. Decomp. Basalt	120	130	
Hard Gray/Brown Basalt	130	195	
Med. Gray Basalt	195	230	
Gray/Brown Basalt	230	240	
Med. Gray Basalt	240	265	
Gray/Brown Basalt	265	295	
Med. Gray Basalt	295	310	
Gray/Brown Basalt	310	355	
Hard Gray Basalt	355	365	

Date started 10/8/87 Completed 10/12/87

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 645
Signed Date 11/12/87

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10/80

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

RECEIVED
NOV 19 1986
WATER RESOURCES DEPT
SALEM, OREGON

WASH 013338

25/3W-2Cd
deep + Record

(1) OWNER:

Owner's Well Number:

Name Richard Egger

Address Route 2, Box 372

City Hillsboro, OR State Zip 97123

(2) TYPE OF WORK:

☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Depth of Completed Well 230 ft.

Special Standards date of approval

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	140	Cement	0	140	32 sacks
6"	140	230	—	—	—	+ gel

How was seal placed? Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	140	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Pumping level	Drill stem at	Time
120		230	½ hr
100		205	1 hr
70		150	1 hr
30		100	1 hr

Temperature of water 57° Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☒ Odor ☒ Colored ☐ Other

Depth of strata: 70' - 135'

(9) LOCATION OF WELL by legal description:

County Washington Latitude ' " Longitude ' "

Township 2 S N or S, Range 3 W E or W, WM.

Section 2 SE ¼ SW ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:

73 ft. below land surface. Date 11/13/86

Artesian pressure lb. per square inch. Date

(11) WELL LOG:

Ground elevation 200'

Material	From	To	WB?	SWL
Previously drilled	0	139		
Casing pulled, hole reamed	0	140		
Black basalt, occ. gray-black	139	160		
Brown basalt	160	180		
Gray-black basalt, occ. brown streak	180	208	w.b.	
Gray-brown basalt, occ. black	208	220		
Gray basalt, broken strks.	220	230	w.b.	

Date started 11/10/86 Completed 11/13/86

(unbonded) Water Well Constructor Certification:

I constructed this well in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for construction of this well and its compliance with all Oregon water well standards. This report is true to the best of my knowledge and belief.

Signed Date 11/14/86

A. M. JANNSEN WELL DRILLING CO. INC.
Company Co. Job No.

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

RECEIVED
JUL 1 1985
WATER RESOURCES DEPT
SALEM, OREGON

WASH

PLEASE TYPE or PRINT IN INK

013339

2s/3w-22L

(for official use only)

(1) OWNER:

Name Philip A. McLennan
Address 25050 N.W. Cornell Rd.
City Hillsboro, OR 97123 State

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Thermal: Withdrawal ☐ Reinjection ☐
Other: Piezometric ☐ Grounding ☐ Test ☐

(5) CASING INSTALLED:

Steel Threaded ☒ Plastic Welded ☐

6 " Diam. from +1 ft. to 78 ft. Gauge 1/4

" Diam. from ft. to ft. Gauge

LINER INSTALLED:

Steel Threaded ☐ Plastic Welded ☒

4 " Diam. from 0 ft. to 185 ft. Gauge 3/16

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No

Size of perforations 10 in. by 1/4 in.

45 perforations from 85 ft. to 145 ft.
15 perforations from 165 ft. to 185 ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Air test 75 gal./min. with drill stem at 85 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 50° Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes ☐ No ☒

Well seal—Material used Cement
Well sealed from land surface to 70 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Amount of sealing material 14 sacks ☒ pounds ☐
How was cement grout placed? Pressure Pumped

Was pump installed? no Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:

County Washington SE¼ SE¼ of Section 2 of
Township 2-S (Township is North or South) Range 3-W (Range is East or West) WM.
Tax Lot 2S3-1-1008 Lot Block Subdivision

MAILING ADDRESS OF WELL (or nearest address)
Laurel Road

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 85 ft.
Static level 60 ft. below land surface. Date 5/14/85
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"
Depth drilled 185 ft. Depth of completed well 185 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Light Brown Clay	2	12	
Reddish-Brown Clay	12	45	
Soft Brown Clay & Rock	45	60	
Soft Brown Decomp. Rock	60	70	
Hard Brown Basalt	70	85	
Hard Blk. & Brwn. Basalt	85	90	
Hard Gray Basalt	90	185	

Date work started 5/13/85 /completed 5/14/85
Date well drilling machine moved off of well 5/14/85 19

(unbonded) Water Well Constructor Certification (If applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Date , 19

(bonded) Water Well Constructor Certification:

Bond U458881 (number) Issued by: United Pacific Ins. Co. (Surety Company Name)
On behalf of Douglas H. Delano (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(Signed) Douglas H. Delano (Water Well Constructor)
(Dated) 6/14/85

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*46886-590

WASH 13339

For Official Use Only by **The Oregon Water Resources Department:**

RECEIVED
Received Date: FEB 23 2005
WATER RESOURCES DEPT
SALEM, OREGON

County Well Log ID #: Wash 13339

Well Identification Tag #: L-76678

76678

APPLICATION FOR WELL IDENTIFICATION TAG

(PLEASE PRINT)

CURRENT LANDOWNER INFORMATION (This well is well # 1 of 1 wells on the property)

Current Landowner's Name: William & Shannon Bickford

Mailing Address: 13880 SW. 325TH PL. Hillsboro, OR 97123

City: Hillsboro State: OR Zip: 97123 Phone #: 503-407-5776

Mail Well Tag to (if other than above address, i.e. realtor, etc.): Ginger Bennett / RE/MAX

P.O. Box 2177 Wilsonville, OR 97070

*********(Note: If this is a shared well please see instructions)*********

WELL LOCATION INFORMATION (May also be referred to as the "Map & Tax Lot Number")

Township #: 2 North or South (circle one) Range #: 3 East or West (circle one), Section #: 2

Tax Lot #: [redacted] 100 ____ 1/4 ____ 1/4 (if known) County: Washington

Street Address of Well: 13880 SW. 325TH PL. Hillsboro, OR 97123

WELL INFORMATION

(Do not complete if well report is attached. Information on locating well reports is enclosed)

Type of Well (i.e. domestic, irrigation, etc): _____ Date Well Constructed: _____

Well Constructor/Company: _____

Well Depth (in feet): _____ Diameter of Well Casing (in inches): _____

Landowner Who Had Well Constructed (if known, or a list of property owners around the time you believe the well was constructed):

_____

_____

Other Information: _____

Mail form to: **Janet Halladey, Well Identification Program**
Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1271 or fax to 503-986-0902.

faxed WF
2-25-05

ID APP 10/04

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 01334

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
SEP 27 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-2ca
Permit No. ____

(1) OWNER:
Name Gary Schlottman
Address 9835 S.W. 80th
Tigard, OR 97223

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:
Threaded [ ] Welded [X]
6 " Diam. from +1½ ft. to 69 ft. Gage ¼
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? [ ] Yes [X] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 20 GPM from 325' after 1 hr.
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 58 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 65 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 26 sacks
How was cement grout placed? Pumped
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 295
NE ¼ SW ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner
Bald Peak Road

(11) WATER LEVEL: Completed well.
Depth at which water was first found 290 ft.
Static level 230 ft. below land surface. Date 8/25/82
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 325. ft. Depth of completed well 325 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	12	
Soft Brown Clay	12	25	
Soft Brwn. Decomp. Basalt	25	60	
Med. Hard Brown Basalt	60	65	
Hard Gray Basalt	65	160	
Hard Brown Basalt	160	180	
Hard Gray Basalt	180	290	
Hard Black Basalt	290	300	
Hard Gray Basalt	300	325	

Work started 8/23/82 19 Completed 8/25/82 19
Date well drilling machine moved off of well 8/25/82 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 19
Drilling Machine Operator's License No.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main Newberg, OR 97132
[Signed] (Water Well Contractor)
Contractor's License No. Date 9 23 1982

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*4885-119

Case File 06-389-PA
Exhibit D
Page 90 of 228

WATER WELL REPORT
STATE OF OREGON

WASH 073341

RECEIVED
AUG 4 1981
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 2S/3W-2dc

State Permit No. .....

(1) OWNER:
Name Robert E Brown
Address 1550 W Westwood Rd
City Portland State OR 97201

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☑ Plastic ☐
Threaded ☐ Welded ☑
6" Diam. from +1 ft. to 62 ft. Gauge .250
" Diam. from ..... ft. to ..... ft. Gauge .....

LINER INSTALLED:
5 7/8 Diam. from 45 ft. to 305 ft. Gauge .258

(6) PERFORATIONS:
Perforated? ☑ Yes ☐ No
Type of perforator used torch
Size of perforations 7/16 in. by 6 in.
60 perforations from 190 ft. to 300 ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot Size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot Size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☑ No If yes, by whom?
..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
Air test 15 gal./min. with drill stem at 180 ft. 4 hrs.
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m.
Temperature of water 55 Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☑
Well seal—Material used Cement
Well sealed from land surface to 18 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 5 sacks
How was cement grout placed? Pumped
.....
.....
Was pump installed? No Type ..... HP ..... Depth ..... ft.
Was a drive shoe used? ☑ Yes ☐ No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:
County Wash Driller's well number
SW ¼ SE ¼ Section 2 T. 2S R. 3W W.M.
Tax Lot # 613 Lot Blk Subdivision
Address at well location: Friend Rd.

(11) WATER LEVEL: Completed well.
Depth at which water was first found 195 – 790 ft.
Static level 200 ft. below land surface. Date 7-14-81
Artesian pressure ..... lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 340 ft. Depth of completed well 340 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brn soil	0	2	
Brn clay	2	40	
Brn Sandstone	40	60	
Layers of rock	60	195	
Water bearing Gravel	195	200	200
Hard black rock	200	290	200
Fractured rock	290	300	200
Hard rock - black	300	340	200

Work started 7-13 1981 Completed 7-16 1981
Date well drilling machine moved off of well 7-16 1981

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Joseph Trunnell (Drilling Machine Operator) Date 7-16, 1981
Drilling Machine Operator's License No. 832

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Joe Trunnell Well Drilling (Person, firm or corporation) (Type or print)
Address Box 336 Banks OR 97106
[Signed] Joseph Trunnell (Water Well Contractor)
Contractor's License No. 711 Date 7-16- 1981

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP-12658-690

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013342

State Well No. 2S-3W-2 ad

State Permit No.

(1) OWNER:
Name Jim Kirchgessner
Address 2230 Oak St Forest Grove Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from -12 ft. to 29 ft. Gage 250
6" Diam. from 10 ft. to 170 ft. Gage PVC 160
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☒ Yes ☐ No.
Type of perforator used Cut with Saw
Size of perforations 1/8 in. by 6 in. 1 Every 2 Ft
perforations from 130 ft. to 170 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Water test 6 gal./min. with 110 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 25 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 11 sacks
How was cement grout placed? Pump in
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
SE ¼ NE ¼ Section 2 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 50 ft.
Static level 40 ft. below land surface. Date 1-15-81
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 170 ft. Depth of completed well 170 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	1	
Brown Clay	1	15	
Basalt	15	170	

RECEIVED
FEB 6 1981
WATER RESOURCES DEPT
SALEM, OREGON

Work started 1-13 1981 Completed 1-15 1981
Date well drilling machine moved off of well 1-15 1981

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Cyril Vandehey (Drilling Machine Operator) Date 1-18, 1981
Drilling Machine Operator's License No. 42

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Cyril Vandehey (Person, firm or corporation) (Type or print)
Address Rt 2 Box 262 Forest Grove Ore
[Signed] Cyril Vandehey (Water Well Contractor)
Contractor's License No. 553 Date 1-18, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion. WATER SUPPLY DEPT SALEM, OREGON

WATER WELL REPORT WASH
STATE OF OREGON
(Please type or print)
(Do not write above this line) 013343

State Well No. 2S/3W 2cd
State Permit No.

(1) OWNER:
Name Mike Mc Leod
Address 3231 Levina Dr., Forest Grove, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
( ) ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 57 ft. Gage .25
4 " Diam. from 48 ft. to 327 ft. Gage 160 PVC
" Diam. from ft. to ft. Gage

) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Drill
Size of perforations ½ Circular in. by in.
100 perforations from 287 ft. to 327 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Compressor 10 gal./min. with 262 ft. drawdown after 2½ hrs.
Artesian flow g.p.m.
Temperature of water 51 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 57 ft.
Diameter of well bore to bottom of seal 10½ in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Hole was clean and dry, cement grout was introduced from bottom up.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
SE ¼ NE ¼ Section 2 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 110 Trace ft.
Static level 60 ft. below land surface. Date 6-13-80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 0
Depth drilled 327 ft. Depth of completed well 327 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Topsoil	0	1	
Red Clay	1	7	
Red and Brown Decompsed clay	7	23	
Red and brown and gray weathered basalt.	23	49	
Coarse Grained Gray Basalt	49	88	
Brown and Gray Basalt (Possible Caving Conditions).	88	112	
Coarse Grained Gray Basalt	112	191	
Coarse Grained Brown and Gray Basalt. (caving conditions.)	191	209	
Coarse Gray Basalt.	209	306	
Coarse Grained Brown and Gray Basalt. (Possible Caving Conditions).	306	327	

Work started May. 7 1980 Completed May 13 1980
Date well drilling machine moved off of well May 13 1980

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Randall L. Wilcox (Drilling Machine Operator) Date May 14, 1980
Drilling Machine Operator's License No. 991

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Wilcox Drilling & Pump Co. (Person, firm or corporation) (Type or print)
Address P. O. Box 569, McMinnville, Ore. 97128
[Signed] James H. Wilcox (Water Well Contractor)
Contractor's License No. 428 Date May 14, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*41556-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WAS 013344

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
OCT 29 1979
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 2S/3W-2
Permit No.

(1) OWNER:
Name Evan Jagua
Address 1325 N.W. 92nd Portland, Ore.

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
[redacted] [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:
Threaded [ ] Welded [X]
6" Diam. from +1½ ft. to 110 ft. Gage ¼
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? [ ] Yes [X] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 15 GPM from 205' after 1 hr.
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 58 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 80 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Pressure Pumped
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 200
¼ ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 120 140 ft.
Static level 110 ft. below land surface. Date 9/22/79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 205 ft. Depth of completed well 205 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	10	
Reddish-brown Clay	10	25	
Soft Brown Decomp. Basalt	25	75	
Med. Hard Brown Basalt	75	110	
Hard Black Basalt	110	120	
Hard Blk.&Brown Basalt	120	135	
Hard Gray Basalt	135	140	
Hard Blk.&Brwn. Basalt	140	150	
Hard Gray Basalt	150	155	
Hard Blk.&Brwn. Basalt w/ Decpmposed basalt	155	160	
Hard Black Basalt	160	165	
Hard Blk.&Brwn. Basalt	165	175	
Hard Gray Basalt	175	205	

Work started 9/21/79 19 Completed 9/22/79 19
Date well drilling machine moved off of well 9/22/79 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] [redacted] Date 10/23 19 79
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] [redacted]
(Water Well Contractor)
Contractor's License No. 645 Date 10/23, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*15056-119

WELL CONTRACTOR
first copy of this report
be filed with the
RESOURCES DEPARTMENT.
SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

WASH 013346 State Well No. 1S/2W-2Cb

State Permit No.

SEP 17 1980

(1) OWNER:

WATER RESOURCES DEPT
SALEM, OREGON

Name John G. Hall

Address 12725 S.W. 2nd
Beaverton, OR 97005

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [X] Driven [ ]
e [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:

Threaded [ ] Welded [X]

6" Diam. from +1 ft. to 60 ft. Gage 1/4

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? [ ] Yes [X] No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [X] No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" Airlifted 20 GPM from 585' after 1 hr.

" " " "

er test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 55 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 55 ft.

Diameter of well bore to bottom of seal 9 7/8 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 35 sacks

How was cement grout placed? Pressure Pumped

Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? [ ] Yes [X] No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Washington Driller's well number 232

NW ¼ SW¼ Section 2 T. 2-S R. 3-W W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 65 125 ft.

Static level 400 ft. below land surface. Date 8/8/80

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 585 ft. Depth of completed well 585 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	3	
Reddish Brown Clay	3	25	
Hard Brown BaSAlt	25	30	
Hard Black Basalt	30	35	
Med. Hard Brown Basalt	35	55	
Hard Blk & Brwn Basalt	55	75	
Hard Gray Basalt	75	95	
Hard Blk & Brwn Basalt	95	110	
Hard Brown Basalt	110	145	
Hard Red/Brwn. Basalt	145	155	
Hard Gray Basalt	155	260	
Hard Blk & Brwn Basalt	260	280	
Hard Gray Basalt	280	315	
Hard Blk & Brwn Basalt	315	340	
Hard Gray Basalt	340	395	
Hard Blk & Brwn Basalt	395	410	
Hard Gray Basalt	410	430	
Hard Blk, Red & Brwn Bas	430	440	

see page 2

Work started 8/1/80 19 Completed 8/8/80 19

Date well drilling machine moved off of well 8/8/80 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] (Drilling Machine Operator) Date 9/15, 1980

Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Arrow Drilling (Person, firm or corporation) (Type or print)

Address 729 N. Main, Newberg, OR 97132

[Signed] (Water Well Contractor)

Contractor's License No. 645 Date 9/15, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*40036-119

...ER WELL CONTRACTOR
...l first copy of this report
... to be filed with the
... RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 25/3W-2c6

State Permit No. .....

SEP 17 1980

WATER RESOURCES DEPT
SALEM, OREGON

(1) OWNER:
Name John G. Hall
Address

(2) TYPE OF WORK (check):
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
( ) ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☐
..." Diam. from ... ft. to ... ft. Gage ...
..." Diam. from ... ft. to ... ft. Gage ...
..." Diam. from ... ft. to ... ft. Gage ...

(6) PERFORATIONS: Perforated? ☐ Yes ☐ No.
Type of perforator used
Size of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

(7) SCREENS: Well screen installed? ☐ Yes ☐ No
Manufacturer's Name
Type ... Model No.
Diam. ... Slot size ... Set from ... ft. to ... ft.
Diam. ... Slot size ... Set from ... ft. to ... ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
... a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "
...er test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m.
Temperature of water Depth artesian flow encountered ... ft.

(9) CONSTRUCTION:
Well seal—Material used ...
Well sealed from land surface to ... ft.
Diameter of well bore to bottom of seal ... in.
Diameter of well bore below seal ... in.
Number of sacks of cement used in well seal ... sacks
How was cement grout placed? ...
Was a drive shoe used? ☐ Yes ☐ No Plugs ... Size: location ... ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? ... depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel: ...
Gravel placed from ... ft. to ... ft.

(10) LOCATION OF WELL:
County ... Driller's well number ...
¼ ... ¼ Section ... T. ... R. ... W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found ... ft.
Static level ... ft. below land surface. Date
Artesian pressure ... lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing ...
Depth drilled ... ft. Depth of completed well ... ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
****PAGE 2****			
Hard Gray Basalt	440	540	
Hard Blk&Brwn Basalt w/ Soapstone	540	560	
Hard Gray Basalt	560	585	
Fault found at 345' to 350'. Sealed off with Cement Grout and redrilled.			

Work started 8/1/80 19 Completed 8/8/80 19
Date well drilling machine moved off of well 8/8/80 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] ... Date 9/15, 1980
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling
(Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, OR 97132
[Signed] ...
(Water Well Contractor)
Contractor's License No. 645 Date 9/15, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*15858-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT WASH
STATE OF OREGON
(Please type or print)
(Do not write above this line) 013347

State Well No. 2S/3W-24d
State Permit No.

(1) OWNER:
Name Terry & Linda Black
Address 6636 S.E. 35th Hillsboro Ore 97123

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from +1 ft. to 59 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☑ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 40 gal./min. with 30 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 55 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 6 sacks
How was cement grout placed? Pumped
Was a drive shoe used? ☑ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number
SW ¼ SW ¼ Section 24 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 125 ft.
Static level 52 ft. below land surface. Date 9-27-79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 135 ft. Depth of completed well 135 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brn soil	0	2	
Brn clay	2	12	
Red clay	12	24	
Brn sandstone	24	40	
Brn sandstone with rock	40	55	
Rock - Hard	55	125	
Rock - Broken	125	135	52

RECEIVED
OCT 24 1979
WATER RESOURCES DEPT
SALEM, OREGON

Work started 9-27 1979 Completed 9-27 1979
Date well drilling machine moved off of well 9-28 1979

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Joseph Trussell (Drilling Machine Operator) Date 9-28, 1979
Drilling Machine Operator's License No. 832

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Trussell Well Drilling (Person, firm or corporation) (Type or print)
Address Box 336 Banks Ore 97106
[Signed] Joseph Trussell (Water Well Contractor)
Contractor's License No. 711 Date 9-28, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-43636-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

013348

State Well No. 25/3W-22dd
State Permit No.

(1) OWNER:
Name Melvin Hansen
Address Rt 2 Box 250 Cornelius Ore 97113

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
[redacted] ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from +1 ft. to 24 ft. Gage .250
4" Diam. from 0 ft. to 160 ft. Gage 160 PSI
[redacted]" Diam. from [redacted] ft. to [redacted] ft. Gage

(6) PERFORATIONS:
Perforated? ☑ Yes ☐ No
Type of perforator used Drill
Size of perforations ½ in. by in.
50 perforations from 25 ft. to 155 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
[redacted]d: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Air Bailer test 40 gal./min. with 70 ft. drawdown after 1 hrs.
[redacted]esian flow g.p.m.
Temperature of water 53° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 18 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
How was cement grout placed? Pumped
Was a drive shoe used? ☑ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number
SE ¼ SE ¼ Section 2 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 120 ft.
Static level 50 ft. below land surface. Date 9-28-79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 160 ft. Depth of completed well 160 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brn soil	0	2	
Brn Clay	2	10	
Red clay	10	18	
Brn sandstone - broken rock	18	120	
Gravel with Layers of rock	120	160	50

RECEIVED
OCT 30 1979
WATER RESOURCES DEPT
SALEM, OREGON

Work started 9-28 19 79 Completed 9-29 19 79
Date well drilling machine moved off of well 9-29 19 79

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Joseph Trussell (Drilling Machine Operator) Date 9-29 19 79
Drilling Machine Operator's License No. 832

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Trussell Well Drilling (Person, firm or corporation) (Type or print)
Address Box 336 Banks Ore 97106
[Signed] Joseph Trussell (Water Well Contractor)
Contractor's License No. 771 Date 9-29 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45858-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310
within 30 days from the date of well completion.

RECEIVED
JAN 13 1978
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
DEC 29 1977
WATER RESOURCES DEPT.
SALEM, OREGON

WASH 013349
State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Tom Peterson
Address Rt. 2, Box 81-A, Hillsboro, Ore. 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +1 ft. to 85½ ft. Gage 1/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 30 GPM from 265' after 1 hr.
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 56 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 81½ ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 21 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 96
¼ ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 220 245 ft.
Static level 140 ft. below land surface. Date 10/13
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 265 ft. Depth of completed well 265 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	10	
Red Clay	10	18	
Soft Brown Decomposed Rock	18	25	
Med. Hard Brown Rock	25	80	
Hard Black Basalt	80	90	
" Gray "	90	100	
" Black "	100	125	
" Gray "	125	130	
" Black & Brown Basalt	130	145	
" " "	145	160	
" Gray "	160	220	
Hard Pomus Brown Basalt	220	225	
" Black Basalt	225	265	

Work started 10/10/77 19 Completed 10/13 1977
Date well drilling machine moved off of well 10/13 1977

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 12/1, 1977
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm, or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 12/1, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45038-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED WASH 013350 #2
APR 15 1977
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON (Please type or print) (Do not write above this line)

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Jane Ginger
Address Rt. 1, Box 565 E, Beaverton, Ore. 97005

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +1½ ft. to 60 ft. Gage ¼
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 14 GPM from 345' after 1 hr. "
Airlifted 13 GPM from 285 after 30 min. "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 55 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 44
SW ¼ ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 285 ft.
Static level 185 ft. below land surface. Date 3/10/77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 345 ft. Depth of completed well 345 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	2	
Red-Brown Clay	2	18	
Brown Clay	18	25	
Soft Brown Rock	25	55	
Hard Gray Basalt	55	80	
Hard Black Basalt	80	115	
Hard Brown Basalt	115	125	
Hard Black "	125	135	
Hard Gray "	135	155	
Hard Brown Basalt	155	170	
Hard Gray Basalt	170	175	
Reddish-Brown Basalt	175	180	
Hard Gray Basalt	180	265	
Hard Black Basalt	265	290	
Hard Gray Basalt	290	300	
Hard Black Basalt	300	320	
Hard Gray Basalt	320	325	
Hard Black Basalt	325	345	

Work started 3/5/77 19 Completed 3/10/77 19
Date well drilling machine moved off of well 3/10/77 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 4/10, 1977
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 429 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 4/10, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED APR 15 1977 WATER RESOURCES DEPT. SALEM, OREGON

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Lowell Gordy
Address 2067 Glenkirk Dr., San Jose, Calif. 95124

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

CASING INSTALLED:
Threaded [ ] Welded [X]
6" Diam. from +1 ft. to 73 ft. Gage 1/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? [ ] Yes [X] No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 40 GPM From 325 after 1 hr. "
Airlifted 30 GPM from 265 after 30 min. "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 58 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 45
SW ¼ ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well
Depth at which water was first found 285 ft.
Static level 200 ft. below land surface. Date 3/17/77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 325 ft. Depth of completed well 325 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	16	
Brown Clay	16	30	
Soft Brown Rock	30	68	
Hard Gray Basalt	68	82	
Hard Brown Basalt	82	90	
Hard Gray Basalt	90	120	
Hard Black Basalt	120	135	
Hard Gray Basalt	135	150	
Hard Brown Basalt	150	170	
Hard Gray Basalt	170	275	
Hard Black Basalt	275	290	
Hard Gray Basalt	290	302	
Hard Black Basalt	302	325	

Work started 3/16/77 19 Completed 3/17/77 19
Date well drilling machine moved off of well 3/17/77 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 4/10, 19 77
Drilling Machine Operator's License No. 1081

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 4/10, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45036-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH 013352

WATER WELL REPORT
STATE OF OREGON

(Please type or print)
(Do not write above this line)

RECEIVED
MAY 4 1976
WATER RESOURCES DEPT.
SALEM, OREGON

Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Steve Schmitz
Address 5860 SW 202 St Aloha

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED: Threaded [ ] Welded [X]
6" Diam. from +2 ft. to 68'6" ft. Gage 4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? [ ] Yes [X] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Air lifted 20 GPM from 305'
after 1 Hrs
Bailer test gal./min. with 50 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 67 ft.
Diameter of well bore to bottom of seal 10 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec 2 T2S R3W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 190 ft.
Static level 245 ft. below land surface. Date 4/28/75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 305 ft. Depth of completed well 305 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
red Clay	2	23	
Brown "	23	42	
Soft rock	42	60	
Med Brown Basalt	60	90	
Grey "	90	280	
Black "	280	305	

Work started 4/27 1976 Completed 4/28 1976
Date well drilling machine moved off of well 4/28 1976

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 5/1, 1976
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name (Person, firm or corporation) (Type or print)
Address
[Signed] (Water Well Contractor)
Contractor's License No. 07 Date 5/1, 1976

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45058-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH 013353

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
MAY 4 1976
WATER RESOURCES DEPT.

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Ron Collins
Address 229 NE 17th Hillsboro Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from +2 ft. to 80 ft. Gage 1/4"
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Air lifted 12 GPM from 445' after 1 hr
Bailer test gal./min. with 210 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 55 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 78 ft.
Diameter of well bore to bottom of seal 10 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 19 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec 2 T 2S R 3W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 300 ft.
Static level 235 ft. below land surface. Date 4/29/76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 445 ft. Depth of completed well 445 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	2	
Red Clay	2	20	
Brown "	20	60	
Decomposed Basalt	60	70	
Med Brown "	70	100	
Grey "	100	120	
Black "	120	155	
Brown "	155	201	
Grey "	201	290	
Black "	290	320	
Brown "	320	370	
Grey "	370	420	
Brown "	420	490	
Grey "	490	445	

Work started 4/28 1976 Completed 4/29/ 1976
Date well drilling machine moved off of well 4/30/ 1976

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Harlan M. Hoffman (Drilling Machine Operator) Date 5/1, 1976
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling Inc (Person, firm or corporation) (Type or print)
Address 729 N Main Newberg
[Signed] Harlan M. Hoffman (Water Well Contractor)
Contractor's License No. 47 Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45056-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion

RECEIVED
SEP 12 1975
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

013354

State Well No. 2N/3W-2

State Permit No.

(1) OWNER:
Name Richard Soule
Address Rt 2, Box 81
Hillsboro, Or 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6 5/8 OD " Diam. from 0 ft. to 72 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 25 gal./min. with 35 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used cement & bentonite
Well sealed from land surface to 72 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
Number of sacks of bentonite used in well seal 2 sacks
Brand name of bentonite National
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T 2S R 3W W.M.
Bearing and distance from section or subdivision corner C A A

(11) WATER LEVEL: Completed well.
Depth at which water was first found 95 ft.
Static level 93 ft. below land surface. Date 8-31-75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 192 ft. Depth of completed well 192 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
brown top soil	0	4	
red soft clay	4	24	
soft brown rock	24	64	
hard brown rock	64	70	
hard blue basalt	70	121	
med hard blue basalt	121	129	
hard blue basalt	129	162	
med hard brown basalt	162	170	
hard blue basalt	170	186	
med hard blue basalt	186	191	
hard blue basalt	191	193	93ft

Work started 8-22 19 75 Completed 9-2 1975
Date well drilling machine moved off of well 9-2 1975

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Robert L. Butscher (Drilling Machine Operator) Date 9-2, 1975
Drilling Machine Operator's License No. 767

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name JOHN MEEKER WELL DRILLING (Person, firm or corporation) (Type or print)
Address 2902 Hoover Blvd, Newberg, Or 97132
[Signed] John L. Meeker (Water Well Contractor)
Contractor's License No. 111 Date 9-3, 1975

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 013355

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
MAR 28 1973
STATE ENGINEER
SALEM OREGON

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Bill Dimeo
Address 1580 S. E. Walnut
Hillsboro, Oregon 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 29 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
airlift
Bailer test 10 gal./min. with 125 ft. drawdown after 2 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 29 ft.
Diameter of well bore to bottom of seal 9-7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 3 sacks
Number of sacks of bentonite used in well seal 0 sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T. 2 S R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 67 ft.
Static level 220 ft. below land surface. Date 3/22/73
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 355 ft. Depth of completed well 355 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Brown clay	0	18	
Yellow clay	19	23	
Hard rock	23	31	
Broken brown & gray rock	31	48	
Hard gray rock	48	67	
Broken brown & gray rock	67	80	1 gpm
Hard gray rock	80	159	
Brown & gray rock	159	186	
Hard gray rock	186	215	
Brown & gray rock	215	244	
Gray rock	244	251	
Broken brown & gray rock	251	272	
Hard gray rock	272	296	
Brown & gray rock	296	312	
Hard gray rock	312	331	
Broken brown & gray rock	331	338	
Red & brown rock	338	340	
Broken gray rock	340	352	☒ 9 gpm
Gray rock	352	355	

Work started 3/16/73 19 Completed 3/22/73 19
Date well drilling machine moved off of well 3/22/73 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 3/23/73 19
Drilling Machine Operator's License No. 235

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name A. M. Jannsen Drilling Co. (Person, firm or corporation) (Type or print)
Address 21075 S.W. Tualatin Valley Hwy. Aloha, Ore.
[Signed] (Water Well Contractor)
Contractor's License No. 79 Date 3/23/73, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45050-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
AUG 2 - 1971
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013356

State Well No. 2/3W-2
State Permit No.

(1) OWNER:
Name Ellerd L. Larkin dba Larkin Lumber Co.
Address P.O. Box 325 Forest Grove, Oregon 97116

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 90 ft. Gage ¼-wall
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
air " " "
Bailer test 15 gal./min. with 90 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used cement
Well sealed from land surface to 90 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well
Depth at which water was first found 110 ft.
Static level 150 ft. below land surface. Date 7-20-71
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 260 ft. Depth of completed well 260 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top soil	0	3	
Brown clay	3	10	
Red clay	10	25	
Brown clay	25	75	
Yellow sandstone	75	82	
Blue med. rock	82	110	
Brown soft rock	110	150	
Blue hard rock	150	200	
Black lava rock	200	220	
Blue hard rock	220	245	
Black lava rock	245	249	
Blue hard rock	249	260	

Work started 7-20-71 19 Completed 7-20-71 19
Date well drilling machine moved off of well 7-20-71 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Ralph Turner (Drilling Machine Operator) Date 7-26-71 19
Drilling Machine Operator's License No. 354

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ralph Turner Drilling Co. (Person, firm or corporation) (Type or print)
Address Rte 1 Box 141 Hillsboro, Oregon
[Signed] Ralph Turner (Water Well Contractor)
Contractor's License No. 247 Date 7-26-71 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45456-119

NOTICE TO WATER WELL CONTRACTOR: The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 013357

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

RECEIVED
APR 7 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-2
State Permit No.

(1) OWNER:
Name Daniel F. Hering
Address 34005 S. W. Cook
Hillsboro, Oregon 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
5/8" Diam. from plus 1 ft. to 134 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Torch
Size of perforations 1/16 in. by 12 in.
80 perforations from 82 ft. to 102 ft.
40 perforations from 106 ft. to 116 ft.
24 perforations from 120 ft. to 126 ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: 25 gal./min. with 10 ft. drawdown after 2 hrs.
" 45 " " 20 " " "
" 60 " " 30 " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 80 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 10 sacks
How was cement grout placed? Grout pumped to bottom to fill annular space from 0 to 80'
Was a drive shoe used? ☐ Yes ☒ No Plugs Size; location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 2 T. 2 S R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 82 ft.
Static level 12 ft. below land surface. Date 3/31/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 0
Depth drilled 162 ft. Depth of completed well 133 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Topsoil	0	1	
Firm brown clay	1	4	
Soft brown silty clay	4	23	
Soft gray silty clay w/brown interbeds	23	30	
Gray brown sandy clay	30	44	
Soft gray silty clay w/sand lenses	44	79	
Fine gray sand w/ some coarse sand & wood	79	82	
Med. coarse gray sand	82	86	
Coarse sand w/fine gravel	86	97	
Med. coarse sand/fine gravel	97	100	
Fine gravel w/coarse sand	100	102	
Soft gray sandy clay	102	106	
Med. coarse to coarse gray sand	106	116	
Soft dark gray sandy clay	116	120	
Med. coarse to coarse gray sand	120	126	
Soft light gray clay	126	132	

Work started 3/28/78 19 Completed 3/31/78 19
Date well drilling machine moved off of well 3/31/78 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 4/4/78, 19
Drilling Machine Operator's License No. 751

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name A. M. JANNSEN DRILLING CO. (Person, firm or corporation) (Type or print)
Address 21075 SW. TUALATIN VALLEY HWY, ALOHA, OR.
[Signed] (Water Well Contractor)
Contractor's License No. 79 Date 4/4/78, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT WASH 013357

STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2s/3W-2
State Permit No. .....

(1) OWNER:

Name Daniel F. Hering PAGE 2
Address

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☐
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ No
Type of perforator used
Size of perforations in. by in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?
eld: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Baller test gal./min. with ft. drawdown after hrs.
tesian flow g.p.m.
mperature of water Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:

Well seal—Material used .....
Well sealed from land surface to ..... ft.
Diameter of well bore to bottom of seal ..... in.
Diameter of well bore below seal ..... in.
Number of sacks of cement used in well seal ..... sacks
How was cement grout placed? .....
Was a drive shoe used? ☐ Yes ☐ No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:

County Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing .....
Depth drilled ft. Depth of completed well ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soft gray brown clay	132	144	
Med. coarse gray sand w/wood	144	151	
Soft gray clay	151	157	
Med. fine gray-brown sand	157	160	
Soft gray clay	160	162	
WELL COMPLETED TO 133'			

Work started 19 Completed 19
Date well drilling machine moved off of well 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] ..... Date ....., 19.....
(Drilling Machine Operator)
Drilling Machine Operator's License No. .....

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name .....
(Person, firm or corporation) (Type or print)
Address .....
[Signed] .....
(Water Well Contractor)
Contractor's License No. ..... Date ....., 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*48656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
AUG 16 1968
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Please do not write above this line)

013339

State Well No. 2/3W-2

State Permit No.

(1) OWNER:

Name Robert Soule

Address Rte 2 Box 81 Hillsboro, Oregon

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from 0 ft. to 78 ft. Gage 17#

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 150 ft. below land surface Date 8-9-68

Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Bailer test 20 gal./min. with 40 ft. drawdown after 1 hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:

Well seal—Material used sand and cement

Depth of seal 78 feet ft.

Diameter of well bore to bottom of seal 9 in.

Were any loose strata cemented off? ☐ Yes ☒ No Depth

Was a drive shoe used? ☐ Yes ☒ No

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Washington Driller's well number

¼ ¼ Section 2 T. 2-S R. 3 ☒ W.M.

Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 6 inch

Depth drilled 230 ft. Depth of completed well 230 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top soil	0	2	
Yellow clay	2	10	
Red clay	10	28	
Brown clay	28	32	
Brown clay and boldors	32	50	
Yellow sandstone	50	70	
Brown rock	70	110	
Blue hard rock	110	125	
Brown soft rock	125	170	
Blue med. rock	170	200	
Pink lava	200	230	

Work started 8-8-68 19 Completed 8-9-68 19

Date well drilling machine moved off of well 8-9-68 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Ralph Turner Date 8-14 19 68
(Drilling Machine Operator)

Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ralph Turner
(Person, firm or corporation) (Type or print)

Address Rte 1 Box 141 Hillsboro, Oregon

[Signed] Ralph Turner Drilling Co.
(Water Well Contractor)

Contractor's License No. 247 Date 8-14 19 68

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

9

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013360

State Well No. 2S/3W-2c 6

State Permit No. _____

RECEIVED
JUN 29 1978
WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:

Name Gary Oberst
Address Rt. 3, Box 621
Sherwood, Ore. 97140

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☐

6 " Diam. from +2 ft. to 74 ft. Gage 1/4
4 " Diam. from 0 ft. to 445 ft. Gage 3/16
_____ " Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? ☒ Yes ☐ No

Type of perforator used Grinding Wheel
Size of perforations 6 in. by 1/4 in.
60 perforations from 325 ft. to 445 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airlifted 17 GPM from 385 after 15 min. "
" " 17 GPM from 445 after 1 hr. "

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

Temperature of water 52 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 68 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
How was cement grout placed? Poured

Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Washington Driller's well number 119
NW ¼ SW ¼ Section 2 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 120' ft.
Static level 305' ft. below land surface. Date 6/15/78
Artesian pressure _____ lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"
Depth drilled 445 ft. Depth of completed well 445 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	16	
Brown Decomposed Rock	16	40	
Med. Hard Broken Brown Basalt	40	60	
Hard Brown Basalt	60	70	
" Gray "	70	120	
" Brown "	120	130	
" Gray "	130	155	
" Black "	155	165	
" Gray "	165	245	
" Black & Brown Basalt	245	260	
" Gray Basalt	260	300	
" Black "	300	335	
" Gray "	335	380	
" Black & Brown Basalt	380	385	
" Gray Basalt	385	420	
" Black & Brown Basalt	420	425	
" " Basalt	425	445	

Work started 6/13/78 19 Completed 6/15/78 19
Date well drilling machine moved off of well 6/15/78 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date 6/18, 19 78
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Arrow Drilling
(Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132

[Signed] _____
(Water Well Contractor)

Contractor's License No. 845 Date 6/18, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-43056-119

STATE ENGINEER
Salem, Oregon

Well Record

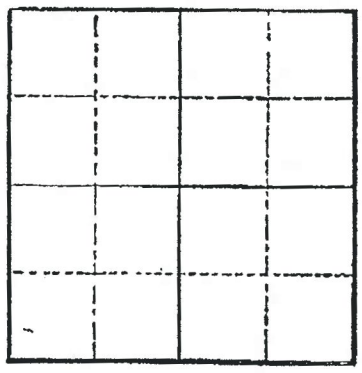
WASH 013361

STATE WELL NO. 25/3W 2R(1)
COUNTY Washington
APPLICATION NO.

OWNER: John Will
MAILING ADDRESS:
LOCATION OF WELL: Owner's No.
CITY AND STATE:

¼ ¼ Sec. T. N. S., R. E. W., W.M.

Bearing and distance from section or subdivision corner



Altitude at well 600 ft.

TYPE OF WELL: dug Date Constructed
Depth drilled 52 ft. Depth cased 52 ft.

Section

CASING RECORD: 48 inch

FINISH:

AQUIFERS: Alluvium(1) from 0 to 52 ft.

WATER LEVEL: 22.93 ft. below land surface.

PUMPING EQUIPMENT: Type Jet H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER domestic & stock Temp. °F. , 19
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER
ADDITIONAL DATA:
Log Water Level Measurements X Chemical Analysis Aquifer Test

REMARKS: see plate 43 for water level measurements.

State Printing 00816

RECEIVED SEP 14 1987 WATER RESOURCES DEPT SALEM, OREGON

RECEIVED OCT -5 1987 WASH 013362 WATER RESOURCES DEPT SALEM, OREGON

25/3W-2

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

Well Number 305

(1) OWNER:
Name Raymond & Jill Johnson
Address Rt. 2, Box 309
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 305' ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	60'	Cement	0'	90'	16 sacks
8"	60'	100'				
6"	101'	305'				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	100'	.025	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
22 GPM		305'	1 hr.

Temperature of water 56° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2-S N or S, Range 3-W E or W, WM.
Section 2 ¼ ¼
Tax Lot 103 Lot Block Subdivision
Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:
135' ft. below land surface. Date 9/1/87
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 115'

From	To	Estimated Flow Rate	SWL
115'	116'	½	
270'	290'	22 GPM	

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Top Soil	0	2	
Brown Clay	2	6	
Red Clay	6	35	
Soft Brown Decomp. Basalt	35	45	
Med. Hard Brown Decomp. Basalt	45	90	
Hard Blk. & Brwn. Basalt	90	115	
Hard Grey Basalt	115	145	
Hard Blk. & Brown Basalt	145	155	
Hard Grey & Brown Basalt	155	160	
Hard Grey Basalt	160	270	
Hard Grey/Brown Basalt	270	290	
Hard Grey Basalt	290	305	

Date started 8/28/87 Completed 9/1/87

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 645
Signed [signature] Date 9/10/87

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 5809C 10/86

WASH
55737

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(1) OWNER: Well Number: _____
Name: Stan and Lori Brock
Address: 34160 SW Peaks View Drive
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/
☐New Well ☐Deepening ☐Alteration recondition) ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type ____ Amount

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
see	#12					

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other _____
Backfill placed from ____ to ____ Material ____
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
see	#12			☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

				☐	☐	☐	☐
				☐	☐	☐	☐

Final location of Shoe(s):

(7) PERFORATIONS/SCREENS:
☐ Perforations Method:
☐ Screen Type: ____ Material: _____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found
Was a water analysis done? ____ By whom:
Did any strata contain water not suitable for intended use? (explain)
_____
Depth of Strata:_____

WELL ID # L N/A
START CARD # 102856

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 2 NW ¼ SW ¼
Tax Lot: ____ Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found N/A

From	To	Est. Flow Rate	SWL

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
This well was abandoned due to new			
house being built directly over well			
Original well report for Gary Oberst			
Wash 013360			
77 sacks neet cement w/3% bent pressure			
grouted from 445' to land surface after 4"			
pvc liner was removed.			

RECEIVED
MAR 2 2000
WATER RESOURCES DEPT.
SALEM, OREGON

Date Started: 3/5/99 Completed: 3/5/99

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLLING WWC Number _____
Signed (503)538-4422 Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed _____ WWC Number 1483
Date 3/10/99

ORIGINAL & FIRST COPY - Water Resources Department SECOND COPY - Constructor THIRD COPY - Customer

WELL I.D.# L01412

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form. wash 51027

(START CARD) # 86748

(1) OWNER: Well Number

Name LARRY SCHLOTTMAN

Address 5680 SE PUEBLO

City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 225 ft.

Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	79	Cement	0	79	18 sks.+ gel
6"	79	225				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[ ] Other

Backfill placed from 60 ft. to 70 ft. Material Bentonite chips

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	79	250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method

[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
75		225	1 hr.
45		120	3 hrs.
35		60	3 hrs.

Temperature of water 53°F Depth Artesian Flow Found

Was a water analysis done? [X] Yes By whom AMJ

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude Longitude

Township 2S N or S Range 3W E or W. WM.

Section 2 NW 1/4 NE 1/4

Tax Lot 107 Lot Block Subdivision

Street Address of Well (or nearest address) Larkin Hill Rd., Hillsboro, OR

(10) STATIC WATER LEVEL:

7 ft. below land surface. Date 8-7-96

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 101'

From	To	Estimated Flow Rate	SWL
101	202	5 gpm	7
202	225	70 gpm	7

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Brown & red-brown clay, sticky	0	5	
Boulders & red-brown clay	5	48	
Brown basalt, weathered w/clay	48	55	
Brown basalt, occ. weathered	55	70	
Gray-black basalt	70	101	
Brown & gray-brown basalt	101	110	7
Gray-black basalt, occ. gray-brown	110	202	7
Brown & red-brown basalt, broken	202	215	7
Gray-brown basalt, broken	215	225	7

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AUG 13 1996
WATER RESOURCES DEPT.
SALEM, OREGON

Date started 8-5-96 Completed 8-7-96

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 573

Signed Date 8-9-96

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

RECEIVED
APR 27 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 13327

This [illegible] section 2

State Well No. 2/3W-1 d b

State Permit No. SE SE

(1) OWNER:
Name Robt L. Newkirk
Address 26645 NW Bregden Hlsboro, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 60 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 96 ft. below land surface Date 4-23-70
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 40 gal./min. with 59 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite & cuttings
Depth of seal 0 to 60 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Wash Driller's well number 170
NW ¼ SE ¼ Section 1 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

JAN 18 1995
SALEM, OREGON

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 155 ft. Depth of completed well 155 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	18	
Brown Shale	18	56	
Gray Broken Basalt	56	68	
Gray Porous Basalt	68	104	
Hard Blue Gray Basalt	104	122	
Gray Porous Basalt (water)	122	148	96
Hard Gray Basalt	148	155	

2S 3W 2D 2800
13651 SW Loney Lane
owner:
Richard Rusetta
1/96

Work started 4-22 1970 Completed 4-22 1970
Date well drilling machine moved off of well 4-23 1970

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borchers Date 4-23, 1970
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Raymond A. Borchers
(Person, firm or corporation) (Type or print)
Address RT 3 Box 271A
[Signed] Raymond A. Borchers
(Water Well Contractor)
Contractor's License No. 404 Date 4-23, 1970

(USE ADDITIONAL SHEETS IF NECESSARY)

This should be Section 2

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
MAY 15 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Please do not write above this line)

WASH 13325

State Well No. 2/3W-1dd

State Permit No. SE SE

(1) OWNER:
Name R. D. Lonby
Address 2533 - 19th Forest Grove, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 85 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 136 ft. below land surface Date 4-24-70
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 15 gal./min. with 34 ft. drawdown after 2 hrs.
" " "
" " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite, Clay
Depth of seal 0 TO 85 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Wash Driller's well number 171
NW ¼ SE ¼ Section 1 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 170 ft. Depth of completed well 170 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	18	
Brown Shale	18	58	
Gray Broken Basalt	58	76	
Hard Gray Basalt	76	92	
Gray Basalt Clay Seams	92	135	
Gray & Yellow Basalt	135	142	
Gray Basalt, Clay Seams	142	158	
Porous Gray Basalt (Water)	158	165	136
Hard Gray Basalt	165	170	

25 3W 2D 3000
13755 SW Loney Lane
Rubin Lonby
4/96

Work started 4-24 1970 Completed 4-24 1970
Date well drilling machine moved off of well 4-27 1970

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borchers (Drilling Machine Operator) Date 4-27 1970
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Raymond A. Borchers (Person, firm or corporation) (Type or print)
Address R.T. 3, Box 271 A, Stanwood Ore
[Signed] Raymond A. Borchers (Water Well Contractor)
Contractor's License No. 404 Date 4-27 1970

(USE ADDITIONAL SHEETS IF NECESSARY)

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AUG 12 1998

WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT

WASH 53855

(as required by ORS 537.765)

WELL ID # L 18936
START CARD # 102817

(1) OWNER:

Well Number: 98-024

Name: Stan and Lori Brock
Address: 34160 SW Peaks View Drive
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 527
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	sacks or pounds
10"	0	178	bent chps	0	47	39 sacks
			cem 1% bn	47	178	35 sacks
6"	178	527				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bent chps poured-probed
Backfill placed from ____ to ____ Material ____
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER:

CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+2	178	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4"	-7	527	160#	☐	☒	☒	☐
				☐	☐	☐	☐

Final location of Shoe(s):

(7) PERFORATIONS/SCREENS:
☒ Perforations Method: saw cut
☐ Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	Tele/pipe size	Casing	Liner
487	527	1/8x7	72			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
80	n/a	525	2 hr.
44	n/a	440	15 min.
28	n/a	400	15 min.

Temperature of water 54 Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)

Depth of Strata: ____

LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 2 NW ¼ SW ¼
Tax Lot: 304 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
294 Ft. below land surface Date 7-29-98
Artesian pressure ____ lb. per sq. in. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 95'

From	To	Est. Flow Rate	SWL
95	140	3 to 4 gpm	?
413	426	8 gpm	294
513	524	72 gpm	294

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
top soil	0	1	
clay reddish/brwn	1	23	
rock very soft decomp w/clay brwn	23	68	
basalt decomp gray soft	68	95	
basalt decomp gray fract loose	95	140	
basalt gray med occ fract	140	157	
basalt gray med-hrd occ blk	157	238	
basalt gray/blk med	238	255	
basalt gray med-hrd occ blk	255	287	
basalt brwn decomp vesic	287	293	
basalt gray med-hrd occ blk	293	379	
basalt brwn/gray vesic	379	385	
basalt gray med-hrd occ blk	385	413	
lava red-brwn-gray	413	420	
basalt vesic gray-blk	420	426	
basalt gray hrd occ blk	426	513	
basalt decomp vesic brwn-red-gray	513		
w/yellow claystone inner beds		524	
basalt gray hrd	524	527	

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OCT 05 1998
WATER RESOURCES DEPT
SALEM, OREGON

Date Started: 7-22-98 Completed: 7-29-98

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLLING WWC Number ____
Signed (503) 538-4422 Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed John R. Stone WWC Number 1483
Date 8-10-98

ORIGINAL & FIRST COPY - Water Resources Department SECOND COPY - Constructor THIRD COPY - Customer

WASH
55737

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # L N/A
START CARD # 102856

(1) OWNER:
Well Number: _____
Name: Stan and Lori Brock
Address: 34160 SW Peaks View Drive
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/
☐New Well ☐Deepening ☐Alteration recondition) ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type _____ Amount

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
see	#12					

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other _____
Backfill placed from _____ to _____ Material _____
from _____ to _____ Material _____
Gravel placed from _____ to _____ Size of gravel

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
see	#12			☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

				☐	☐	☐	☐
				☐	☐	☐	☐

Final location of Shoe(s):

(7) PERFORATIONS/SCREENS:
☐ Perforations Method:
☐ Screen Type: _____ Material: _____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found
Was a water analysis done? ____ By whom:
Did any strata contain water not suitable for intended use? (explain)
_____
Depth of Strata: _____

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: _____ Longitude: _____
Township: 2S Range: 3W
Section: 2 NW ¼ SW ¼
Tax Lot: 204 Lot: _____ Block: _____ Subdivision: _____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date
Artesian pressure _____ lb. per sq. in. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found N/A

From	To	Est. Flow Rate	SWL

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
This well was abandoned due to new			
house being built directly over well			
Original well report for Gary Oberst			
Wash 013360			
77 sacks neet cement w/3% bent pressure			
grouted from 445' to land surface after 4"			
pvc liner was removed.			

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MAR 2 2000
WATER RESOURCES DEPT.
SALEM, OREGON

Date Started: 3/5/99 Completed: 3/5/99

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLLING WWC Number _____
Signed (503)538-4422 Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed _____ WWC Number 1483
Date 3/10/99

ORIGINAL & FIRST COPY - Water Resources Department SECOND COPY - Constructor THIRD COPY - Customer

WASH 60055

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SEP 0 8 2003
WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 61334
START CARD # 113743

(1) LAND OWNER Well Number
Name Eugene Chrisman
Address 17805 SW Fitch Dr.
City Sherwood State OR Zip 97140

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 443 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	50	Bentonite	0	50	45
8	50	119	Portland	50	119	5
6	119	443				

How was seal placed: Method ☐ A ☐ B ☐ C ☒ D ☐ E
☒ Other Bentonite - vibrated
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	119	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	100	443	160	☐	☒	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s) 119

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Saw
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
363	443	3/16	80	4		☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30	unable		1 hr. 20 min

Temperature of water 54° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Wash. Latitude Longitude
Township 2 N of (S) Range 3 E of (W) WM.
Section 2 SW 1/4 SE 1/4
Tax Lot 0502 Lot Block Subdivision
Street Address of Well (or nearest address) 33743 SW Bald Peak Rd.

(10) STATIC WATER LEVEL:
330 ft. below land surface. Date 8-8-03
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 418

From	To	Estimated Flow Rate	SWL
418	443	30+	330

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Top soil	0	2	
Clay brown	2	22	
Basalt weathered brown S	22	43	
" " brn gray S	43	78	
" gray hard	78	108	
" " soft	108	112	
" black gray H	112	142	
" " " Med	142	158	
" Reddish Brn gray M	158	165	
" Gray hard	165	318	
" " med	318	340	330
" " hard	340	351	
" " med	351	384	
" " hard	384	418	
" Brown soft	418	443	

Date started 7-28-03 Completed 8-8-03

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1229
Signed Date 9-2-03

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

WASH 61400
A.M. JANSSEN WELL DRILLING CO. INC.
21075 S.W. T.V. HWY.
ALOHA, OR 97006

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL I.D. # L 72733
START CARD # 168397

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number
Name JOHN FRITZ
Address 20794 SW HILLSBORO HWY.
City NEWBERG State OR Zip 97132

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 287 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	90	CEMENT	0	90	34 sks
8"	90	147	CEMENT	90	147	9 sks
6"	147	287				

How was seal placed: Method ☐ A ☒ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	147	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25		287	1 hr.
25		200	"

Temperature of water 53°F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMJ
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☒ Muddy ☐ Odor ☐ Colored ☒ Other IRON
Depth of strata: 87-97 (CS & CEMENTED OFF)

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W WM.
Section 2 D NW 1/4 SE 1/4
Tax Lot 3700 Lot Block Subdivision
Street Address of Well (or nearest address) 32880 SW BALD PEAK RD
HILLSBORO, OR

(10) STATIC WATER LEVEL:
159 ft. below land surface. Date 08/05/04
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 182

From	To	Estimated Flow Rate	SWL
182	213	25 gpm	159

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Brown Clay	1	8	
Red-brown clay	8	26	
Decomp.brown basalt	26	87	
Frac.gray-brown basalt	87	97	wb
Gray-black basalt	97	104	
Red-brown basalt	104	113	
Gray-brown basalt w/occ. soft muddy streaks	113	133	
Gray-black basalt	133	182	
Soft red-black basalt	182	213	159
Gray-black basalt,occ. fractures	213	287	

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AUG 13 2004
WATER RESOURCES DEPT
SALEM, OREGON

Date started 08/02/04 Completed 08/05/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number 1805
Signed Dwayne Bigsby Date 08/06/04

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 08/06/04

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

WASH 62912

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL I.D. # L 78375

START CARD # 175798

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number ____
Name Richard Sylva
Address 18160 Cottonwood Rd. #245
City Sunriver State OR Zip 97707

(2) TYPE OF WORK ☑ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other ____

(4) PROPOSED USE
☑ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other ____

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☑ No
Depth of Completed Well 380 ft.
Explosives used: ☑ Yes ☐ No Type ____ Amount ____

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds
10"	0	117	Cement	0	117	54 sks
6"	117	380				
			See #12			

How was seal placed: Method ☐ A ☑ B ☑ C ☐ D ☐ E
☐ Other ____
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from ____ ft. to ____ ft. Size of gravel ____

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	117	.250	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4-1/2"	-20	380	200#	☐	☑	☑	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☑ None
Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS
☑ Perforations Method Drilled
☐ Screens Type ____ Material PVC

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
350	380	1/2"	65	4-1/2"	pipe	☐	☑
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
40		380	1 hour
14		300	" "

Temperature of water 54 F Depth Artesian Flow Found ____
Was a water analysis done? ☑ Yes By whom A.M.J.
Did any strata contain water not suitable for intended use? ☐ Too little ☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata: ____

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 4600 Lot ____
Township 2S N or S Range 3W E or W WM
Section 02 D NE 1/4 SE 1/4
Lat ____ ° ____ ' ____ " or ____ (degrees or decimal)
Long ____ ° ____ ' ____ " or ____ (degrees or decimal)
Street Address of Well (or nearest address) Kloier Drive off Bald Peak Rd
Hillsboro, OR 97123

(10) STATIC WATER LEVEL
247 ft. below land surface. Date 09/20/2005
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch Date ____

(11) WATER BEARING ZONES
Depth at which water was first found 290

From	To	Estimated Flow Rate	SWL
290	315	8	247
360	380	32	247

(12) WELL LOG Ground Elevation ____

Material	From	To	SWL
Brown clay	0	3	
Red-brown clay	3	12	
Brown clay & decomp rock	12	42	
Gray & gray-black basalt	42	71	
Gray-brown,brown muddy basalt	71	99	
Gray basalt	99	164	
Gray-brown,brown frac. basalt	164	194	
Gray basalt	194	284	
Gray,gray-black brkn.basalt,void	284	300	247
Gray black basalt	300	380	247
Hole was cemented from 300 to			
inside 6" casing & redrilled with			
4 yds. sand mix			

Date Started 09/15/2005 Completed 09/20/2005

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 1492 Date 09/22/2005
Signed Mel Bigsby

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1260 Date 09/22/2005
Signed ____

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SEP 28 2005
WATER RESOURCES DEPT
SALEM, OREGON

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER 06/16/2004

WASH 62914

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL I.D. # L 78334

START CARD # 175791

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number
Name Duane Radke
Address PO Box 144
City Pacific City State OR Zip 97135

(2) TYPE OF WORK ☑ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☑ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☑ No
Depth of Completed Well 380 ft.
Explosives used: ☑ Yes ☐ No Type Amount

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds
10"	0	216	Cement	0	216	51 sks
6"	216	380				
			See #12			

How was seal placed: Method ☐ A ☑ B ☑ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	216	.250	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4-1/2"	-6	366	200#	☐	☑	☑	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☑ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS
☑ Perforations Method Drilled
☐ Screens Type Material PVC

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
326	366	1/2"	1005	4-1/2"	pipe	☐	☑
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60		380	1 hour
50		360	" "
15		300	" "

Temperature of water 54 F Depth Artesian Flow Found
Was a water analysis done? ☑ Yes By whom A.M.J.
Did any strata contain water not suitable for intended use? ☑ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata: 145-185 ft. (Sealed Off)

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 4700 Lot
Township 2S N or S Range 3W E or W WM
Section 02 D NE 1/4 SE 1/4
Lat °' " or (degrees or decimal)
Long °' " or (degrees or decimal)
Street Address of Well (or nearest address) Kisler Drive off Bald Peak Rd
Hillsboro, OR 97123

(10) STATIC WATER LEVEL
247 ft. below land surface. Date 09/23/2005
ft. below land surface. Date
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES
Depth at which water was first found 290

From	To	Estimated Flow Rate	SWL
290	324	12	247
360	380	48	247

(12) WELL LOG Ground Elevation

Material	From	To	SWL
Brown clay	0	5	
Red-brown clay	5	9	
Soft brown decomp rock	9	50	
Gray,Gray-brown muddy basalt	50	103	
Gray,gray-black basalt	103	118	
Gray, Gray-brwon muddy basalt	118	145	
Gray basalt	145	185	wb
Gray-black basalt	185	213	
Gray basalt	213	287	
Gray-black, gray basalt	287	324	247
Gray basalt	324	344	
Gray-black, pray frac. basalt	344	380	247

Date Started 09/20/2005 Completed 09/23/2005

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 1492 Date 09/23/2005
Signed Mel Bigsby

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date 09/23/2005
Signed

RECEIVED
SEP 28 2005
WATER RESOURCES DEPT
SALEM, OREGON

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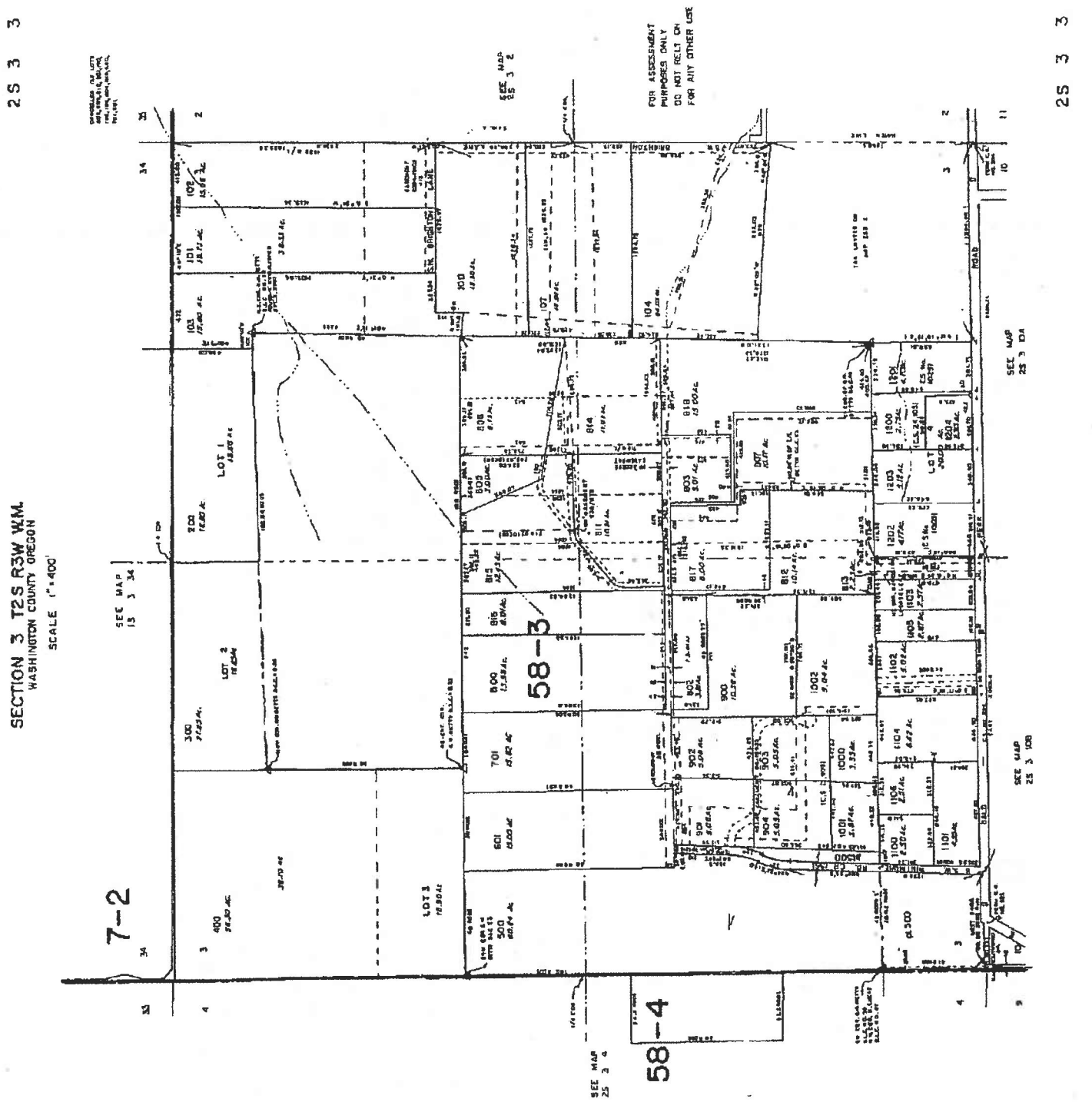
SECTION 3 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1"=400'
2S 3 3
2S 3 3
FOR ASSESSMENT PURPOSES ONLY
DO NOT RELY ON FOR ANY OTHER USE
SEE MAP 2S 3 2
SEE MAP 2S 3 3A
SEE MAP 1S 3 34
SEE MAP 2S 3 4
SEE MAP 2S 3 10D
58-3
58-4
7-2
LOT 1
LOT 2
LOT 3
MOAB

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

Wash 834

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
JAN 16 1973
STATE ENGINEER
SALEM, OREGON

State Well No. 2S/3W-3
State Permit No.

(1) OWNER:
Name John W. Lulich
Address Rte 2. Box 89B Hillsboro, Ore. 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☒ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☐
36" Diam. from 0 ft. to 10 ft. Gage 2"
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used None
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☒ Yes ☐ No
Manufacturer's Name
Type Steel screen Model No.
Diam. 4" Slot size 1/8" Set from at 4" intake ft. to ft.
Diam. Slot size ✓ Set from at outlet ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Gloria Pump Co.
Yield: 19 gal./min. with 1 ft. drawdown after 30 hrs.
" " "
" " "
Bailer test — gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 50° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Concrete Well Curbing
Well sealed from land surface to 10 ft.
Diameter of well bore to bottom 36 in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal 2 sacks
Number of sacks of bentonite used in well seal — sacks
Brand name of bentonite —
Number of pounds of bentonite per 100 gallons of water — lbs./100 gals.
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Soft, good depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel Cement
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash. Driller's well number — self
Lot 4 ¼ ¼ Section 3 T. 2 So. R. 3 west of W.M.
Bearing and distance from section or subdivision corner
527.28 ft north of S.W. Corner of property Stake & then 46.00 ft East of Property line

(11) WATER LEVEL: Completed well.
Depth at which water was first found 10 ft.
Static level 2 ft. below land surface. Date 12-30-72
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing —
Depth drilled — ft. Depth of completed well 10 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soil, Brown, Sandy like	0	2	
Brown with Clay	2	3	
Blue Clay	3	4	
Blue Clay & rock	4	7	
Rock	7	10	9

Work started June 1 1967 Completed 12-29 1972
Date well drilling machine moved off of well 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John W. Lulich owner Date 12-29, 1972
(Drilling Machine Operator)
Drilling Machine Operator's License No. —

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name (Person, firm or corporation) (Type or print)
Address Rte 2-Box 89B Hillsboro, Ore
[Signed] John W. Lulich owner
(Water Well Contractor)
Contractor's License No. — Date 12-29, 1972

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-M5056-119

RECEIVED

MAY 09 1990

WATER RESOURCES DEPT.
SALEM, OREGON

WASH 020 2N/3W/3cd

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

APR 16 1990 (START CARD) # 17967

(1) OWNER:

Well Number: WATER SA...

Name: Chester North

Address: 2011 SW Canby St.

City: Portland State: OR Zip: 97219

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 665 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	96	Cement	0	96	14 sacks+gel
6	96	665				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	96	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20		665	1 hr.
18		645	"
3		570	"

Temperature of water 62°F Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude ° ' Longitude ° '

Township 2N N or S Range 3W E or W WM.

Section Sec 3 SE ¼ SW ¼

Tax Lot 817 Lot Block Subdivision

Street Address of Well (or nearest address) Rt. 2, Box 472
Hillsboro, OR 97123

(10) STATIC WATER LEVEL:

430 ft. below land surface. Date 04/10/90

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 424

From	To	Estimated Flow Rate	SWL
424	437	(trace) 1-2	430
571	590	3 gpm	430
590	665	15 "	430

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Red-brown clay	0	41	
Brown & gray-brown basalt westh.	41	68	
Gray clay occ rocks frag.	68	75	
Gray basalt weathered	75	90	
Gray&gray-black basalt, hard	90	297	
Brown basalt & lava	297	302	
Gray-black basalt, hard	302	345	
Brown basalt & Lava	345	355	
Gray-brown&gray-black basalt hard	355	424	
Gray-brown lava	424	437	430
Gray&gray-black basalt, hard	437	571	
Gray-brown basalt, occ broken	571	590	430
Gray-black basalt, occ broken streaks	590	665	430

Date started 04/02/90 Completed 04/10/90

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 573

Signed Date 04/11/90

RECEIVED ... 3 1990

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9/89 C/ms

RECEIVED
SEP 17 1986
WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WASH 013363

25/3W-3

(1) OWNER: Owner's Well Number: _____
Name Mike & Kathy Seebold
Address PO Box 5013
City Aloha State OR Zip 97006

(2) TYPE OF WORK:
☑ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Depth of Completed Well _____ ft.
Special Standards date of approval _____

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	85	Cement	0	75	2.5 sacks

How was seal placed? Method ☐ A ☐ B ☑ C ☐ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	99	14	☑	☐	☐	☑
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	12	560	120 PVC	☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) Driveable 99 ft.

(7) PERFORATIONS/SCREENS:
☑ Perforations Method Drill
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
500	555		60	½		☐	☑
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Pumping level	Drill stem at	Time
8		490	½ hr
12		540	1 hr

Temperature of water 55 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Wash Latitude _____ ' _____ " Longitude _____ ' _____ "
Township 2S N or S, Range 3W E or W, WM.
Section 3 ¼ ¼
Tax Lot 102 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
410 ft. below land surface. Date 8-28-86
Artesian pressure _____ lb. per square inch. Date _____

(11) WELL LOG: Ground elevation _____

Material	From	To	WB?	SWL
Brn soil	0	2		
Red clay	2	30		
Brn clay	30	40		
Brn sandstone	40	75		
Brn sandstone layers rock	75	520		
Sugars Gravel	520	550	V	410
Rock	550	560		410

Date started 8-26-86 Completed 8-29-86

(unbonded) Water Well Constructor Certification:
I constructed this well in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for construction of this well and its compliance with all Oregon water well standards. This report is true to the best of my knowledge and belief.

Signed Joseph Trussell Date 8-29-86

Company _____ Co. Job No. _____

0809C 10/85

WATER WELL REPORT
STATE OF OREGON

WASH 013364

RECEIVED
JUL 12 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-3aa

State Permit No. .....

(1) OWNER:
Name Jay Brandon
Address 1817 Ann Court
City Newberg, OR 97132 State

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
6 " Diam. from +1½ ft. to 80 ft. Gauge ¼
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:
Perforated? ☐ Yes ☐ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal/min. with ft. drawdown after hrs.
" " " "
Air test 20 gal/min. with drill stem at 595 ft. 1 hrs.
Bailer test gal/min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 57 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 17'
Diameter of well bore to bottom of seal 9 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 24 sacks
How was cement grout placed? Pumped
Was pump installed? NO Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 286
NE ¼ NE ¼ Section 3 T. 2-S R. 3-W W.M.
Tax Lot # 100 Lot Blk Subdivision
Address of well location: Off Bald Peak Rd.

(11) WATER LEVEL: Completed well.
Depth at which water was first found 465 ft.
Static level 400 ft. below land surface. Date 6/11/82
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 595 ft. Depth of completed well 595 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Sticky Red Clay	2	30	
Soft Clay & Rock	30	45	
Soft Decomp. Rock	45	60	
Med. Hard Brown Basalt	60	65	
Hard Brown Basalt	65	75	
Hard Gray Basalt	75	215	
Hard Brown Basalt	215	230	
Hard Gray Basalt	230	290	
Hard Brown Basalt	290	320	
Hard Gray Basalt	320	415	
Hard Blk.&Brwn Basalt	415	430	
Hard Gray Basalt	430	550	
Hard Blk.&Brwn. Basalt	550	555	
Hard Gray Basalt	555	595	

Work started 6/1/82 19 Completed 6/11/82 19
Date well drilling machine moved off of well 6/11/82 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Louis A Delano Date 7/8, 1982
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, OR 97132
[Signed] Louis A Delano (Water Well Contractor)
Contractor's License No. 645 Date 7/8, 1982

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*12658-690

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JUL 11 1972
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013365

State Well No. 2/3W-3
State Permit No.

(1) OWNER:
Name Alexander Resente
Address Rt 2 Box 483 Cornelius Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from +2 ft. to 60 ft. Gage 1/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
"Air lifted 7½ gal per min from "360 ft after 1 hr"
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 58 ft.
Diameter of well bore to bottom of seal 9⅝ in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 14 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec 3 T2S R3W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 88 aug 3 gal
Static level 216 ft. below land surface. Date 7/5/72
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 360 ft. Depth of completed well 360 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Red Clay	2	32	
Decomposed rock	32	52	
Med Basalt	52	85	
Volcanic Rock	85	106	
Grey Basalt	106	170	
Brown "	170	175	
Grey "	175	255	
Brown Broken "	255	270	
Grey "	270	310	
Black "	310	315	
Grey "	315	360	

Work started 6/30 1972 Completed 7/5 1972
Date well drilling machine moved off of well 7/5 1972

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Harlan M Huffman (Drilling Machine Operator) Date 7/8, 1972
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling Inc (Person, firm or corporation) (Type or print)
Address 729 N Main Newberg
[Signed] Harlan M Huffman (Water Well Contractor)
Contractor's License No. 117 Date 7/8, 1972

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45656-119

RECEIVED
DEC 5 1961
STATE ENGINEER
SALEM, OREGON

WASH 013366

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. 2S/3W-3

State Permit No.

(1) OWNER:
Name John + HENRY DOERN
Address RT2 Box 620
Beaverton, Oregon

(2) LOCATION OF WELL:
County Washington Owner's number, if any—
¼ ¼ Section 3 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner Well is
located ½ mi N. of Baldpeak Rd.
and 600' West of Whitmore Rd.
R#2 Hillsboro, Oregon
Box 108

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]
6 " Diam. from 0 ft. to 52'6" ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [ ] Yes [X] No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Slot size Set from ft. to ft.
Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? [ ] Yes [ ] No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 123 ft. below land surface Date 1/11/61
Artesian pressure lbs. per square inch Date

Log Accepted by:
[Signed] John Doern (Owner) Date Nov 30, 1961
Doern Mayo Joint Venture

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 10 gal./min. with 80 ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52° Was a chemical analysis made? [ ] Yes [X] No

(12) WELL LOG:
Diameter of well 31X inches.
Depth drilled 263 ft. Depth of completed well 203 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Soil	0	1
clay - Brown	1	4
clay + Boulders small	4	15
clay - Red brown	15	44
Rock - soft loose	44	50
casing set at 52'6" with drive shoe		
Rock - Soft	50	68
Rock - Gray soft	68	84
Rock - Consolidated - Medium	84	115
Rock - loose falling (cemented)	115	117
Rock - Consolidated - Gray	117	132
Rock - Unconsolidated soft small amount of water	132	135
Rock - consolidated, Hard	135	207
Rock Consolidated, very Hard	207	219
Rock consolidated - soft	219	239
Rock - Unconsolidated - loose	239	260
Rock - Consolidated - Hard	260	263
Plug at 217' cemented above up to 203 - Loss of water at 239'		

Work started 8/31 1961 Completed 1/11 1961

(13) PUMP:
Manufacturer's Name
Type: H.P.

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jack Barxon (Person, firm, or corporation) (Type or print)
Address 16425 S.W. Hart, Beaverton, Ore
Driller's well number 70
[Signed] Jack Barxon (Well Driller)
License No. 159 Date 11/61, 1961

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
SEP - 9 1969
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013367

State Well No. 2S/3W-3

State Permit No.

(1) OWNER:

Name Wayne Thomas

Address 1901 S.E. Miter Bridge Road ~~Hillsboro, Oregon~~

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from 0 ft. to 58 ft. Gage ¼ wall

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 60 ft. below land surface Date 9-3-69

Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Bailer test 7-½ gal./min. with 200 ft. drawdown after 1 hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:

Well seal—Material used cement

Depth of seal 58 feet ft.

Diameter of well bore to bottom of seal 9 in.

Were any loose strata cemented off? ☐ Yes ☒ No Depth

Was a drive shoe used? ☐ Yes ☒ No

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Washington Driller's well number

¼ S.W.¼ Section 3 T. 2-S R. 3-W W.M.

Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 6 inch

Depth drilled 275 ft. Depth of completed well 275 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top soil	0	3	
Red clay	3	25	
Brown clay	25	45	
Brown sandy clay	45	51	
Brown rock	51	65	
Blue med. rock	65	80	
Brown lava	80	125	
Blue hard rock	125	170	
Grey hard rock	170	225	
Blue rock med.	225	250	
Brown lava	250	275	
Blue Hard rock	275	275	

Work started 9-2-69 19 Completed 9-3-69 19

Date well drilling machine moved off of well 9-3-69 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Ralph Turner (Drilling Machine Operator) Date 9-4, 1969

Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ralph Turner Drilling Co. (Person, firm or corporation) (Type or print)

Address Rte 1 Box 141 Hillsboro, Oregon

[Signed] Ralph Turner (Water Well Contractor)

Contractor's License No. 247 Date 9-4, 1969

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED JUN 25 1970 STATE ENGINEER SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(please type or print) (Do not write above this line)

WASH 013368

State Well No. 2/3W-3 ca

State Permit No.

(1) OWNER:
Name Gerald Guthrie
Address 244 NW Dennis Hillsboro, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 90 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 396 ft. below land surface Date 6-15-70
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 7 gal./min. with 164 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 57° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite + Chips
Depth of seal 0 To 90 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Washington Driller's well number 179
NE ¼ SW ¼ Section 3 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 560 ft. Depth of completed well 560 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Brown Clay	2	26	
Brown shale	26	78	
Soft Gray Basalt	78	118	
Gray Basalt & Clay seams	118	132	
Hard Gray Basalt	132	278	
Brown Porous Basalt	278	296	
Hard Gray Basalt	296	324	
Brown Porous Basalt	324	348	
Hard Gray Basalt	348	414	
Gray Porous Basalt	414	426	
Hard Gray Basalt	426	452	
Gray Porous Basalt (Water)	452	484	396
Hard Gray Basalt	484	560	

Work started 6-11 19 70 Completed 6-15 19 70
Date well drilling machine moved off of well 6-15 19 70

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borches Date 6-18 19 70
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Ray Borchers - Well Drilling
(Person, firm or corporation) (Type or print)
Address RT 3, Box 271A Sherwood Ore
[Signed] Raymond A Borches
(Water Well Contractor)
Contractor's License No. 404 Date 6-18 19 70

(USE ADDITIONAL SHEETS IF NECESSARY)

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WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON **WATER SUPPLY WELL REPORT** (as required by ORS 537.765)

WELL I.D.# L08794 ****PAGE 1 OF 2**** WASH 5916

(START CARD) # 88870

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 97-003
Name John and Ann Gass
Address 10744 SW Heron Circle
City Beaverton State OR Zip 97007

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 560 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	138.5	cement	47	138.5	30 sacks
			bent chp	0	47	37 sacks
6"	138.5	560				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other bent poured dry and hydrated
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1.5	138	.5	[ ]	[ ]	[ ]	[ ]
				.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	-3	560	160	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 138.5

(7) PERFORATIONS/SCREENS:
[X] Perforations Method saw cut
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
500	530	1/8x8	54			[ ]	[X]
550	560	1/8x8	18			[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
50	n/a	560	1 hr.
50	n/a	560	2 hrs

Temperature of water 51° Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 3 NW 1/4 SE 1/4
Tax Lot 103 Lot Block Subdivision
Street Address of Well (or nearest address) end of Brighton Lane

(10) STATIC WATER LEVEL:
356 ft. below land surface. Date 2-23-97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 101

From	To	Estimated Flow Rate	SWL
101	108	less 1 gpm	?
115	132	1 gpm	?
441	449	4 gpm	356
535	560	46 gpm	356

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Fill/topsoil	0	1	
clay red	1	55	
clay brn some rock frag	55	70	
basalt wthd brown	70	72	
basalt grey medium	72	101	
basalt grey/brown	101	108	?
basalt grey medium	108	115	
basalt brn decomp(vesic)	115	132	?
basalt grey med-hard	132	151	
basalt brown/grey/red medium soft	151	158	
basalt brown/red/grey decomposed	158	172	
basalt brn grey med	172	177	
basalt grey medium	177	253	
basalt grey/brnocc bkn	253	270	
basalt brown soft	270	291	
basalt grey/brn med	291	315	
basalt brn/grey soft	315	334	
(cont. on page 2)			

Date started 2-10-97 Completed 2-23-97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLING 538-4422 WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed John R Stee Date 3-3-97

WHITE - SECOND COPY CONSTRUCTOR THIRD COPY CUSTOMER

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MAR - 5 1997

WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

PAGE 2 OF 2

WELL I.D.# L08794

(START CARD) # 88870

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 97-003

Name John and Ann Gass

Address 10744 SW Heron Circle

City Beaverton State OR Zip 97007

(2) TYPE OF WORK

☐ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Well ____ ft.

Explosives used ☐ Yes ☐ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from ____ ft. to ____ ft. Size of gravel ____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____

Was a water analysis done? ☐ Yes By whom ____

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____

Depth of strata: ____

(9) LOCATION OF WELL by legal description:

County Washington Latitude ____ Longitude ____

Township 2S N or S Range 3W E or W. WM.

Section 3 NW 1/4 SE 1/4

Tax Lot 103 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) end of Brighton Lane

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation ____

Material	From	To	SWL
basalt brn/grey wthd	334	355	
basalt grey medium	355	370	
basalt grey hard	370	398	
basalt brn/grey med	398	422	
basalt grey medium-hard	422	441	
basalt grey/brn/red vesic	441	449	
basalt grey vesic	449	458	
basalt grey medium/hard	458	535	
basalt grey vesic	535	541	356
basalt grey/brn vesic	541	560	356
ARROW DRILLING 538-4422			

Date started 2-10-97 Completed 2-23-97

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed ____ Date ____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed [signature] WWC Number 1483

Date 3-3-97

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WASH 61456

STATE OF OREGON Arrow 04-019
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Wash 61456

WELL ID # L 70237
START CARD # 166917

(1) LAND OWNER:
Well Number: 5
Name: Mike Seabold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 361
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	118.5	cement	0	118.5	36 bags
			1% bent			
6 1/4"	118.5	361				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☐ Other
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+20"	118.5	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4"	100'	321'	160#	☐	☒	☒	☐
4"	321	361	200#	☐	☒	☒	☐

Drive Shoe used ☐Inside ☒Outside ☐None
Final location of Shoe(s): 118.5 4"x5" pvc bell reducer top of liner

(7) PERFORATIONS/SCREENS:
☒Perforations Method: saw cut
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
321	361	3/16x7	82	4"	pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☒Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
23+	N/A	360	1 hr.
23	N/A	320	15 min.
6	N/A	220	15 min.

Temperature of water 56 Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata: ____

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 102 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
200 Ft. below land surface Date 7/26/04
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 104'

From	To	Est. Flow Rate	SWL
104	113	< 2 gpm	65'
255	273	12 gpm	200'
314	355	11 gpm	200'

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
clay brwn silty	0	6	
clay red/brwn silty	6	21	
clay brwn w/sft wthd rock	21	50	
rock decomp sft wthd brwn	50	85	
basalt gray med	85	104	
basalt gray wthd slightly vesic	104	113	65
basalt gray hrd	113	130	
basalt brwn/red/gray vesic	130	135	
basalt reddish brwn med-hrd	135	174	
basalt gray hrd	174	243	
basalt gray hrd w/occ fract	243	255	
basalt blk vesic	255	264	
basalt gray/blk/red vesic	264	273	
basalt gray med w/occ fract	273	296	
basalt gray hrd	296	314	
basalt gray vesic	314	319	
basalt gray/brwn fract	319	355	
basalt gray hrd	355	361	

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WATER RESOURCES DEPT
SALEM, OREGON

Date Started: 7/22/04 Completed: 7/26/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/29/04

ORIGINAL - Water Resources Department FIRST COPY - Constructor SECOND COPY - Customer

WASH 61457

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Arrow Drilling

RECEIVED
OCT 04 2004
WATER RESOURCES
SALEM, OR

WELL ID # L N/A
START CARD # 122314

(1) LAND OWNER:
Well Number: 2
Name: Mike Seabold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☒Other test hole

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	7'	*see 12			
6 1/4"	7'	742	bent chp	0	40	20 bags
			cem 5% bent	40	742	81 bags

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bentonite poured - probed
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
N/A				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

N/A				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	size	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
abandoned			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata: ____

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 102 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date 5/28/04
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 117

From	To	Est. Flow Rate	SWL
117	123	< 1 gpm	dnm
447	456	1 gpm	dnm

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
clay red silty	1	39	
rock decomp brwn/w clay	39	61	
basalt brwn decomp wthd some gray	61	85	
basalt gray decomp wthd	85	106	
basalt gray med	106	117	
basalt gray decomp slightly vesic	117	123	
basalt gray med-hrd occ fract	123	141	
basalt gray hrd fract	141	170	
basalt gray/brwn med-hrd	170	192	
basalt gray hrd ow/occ fract	192	278	
basalt brwn decomp vesic	278	295	
basalt gray med-hrd w/brwn fract	295	317	
basalt gray hrd w/occ fract	317	337	
basalt brwn/gray decomp vesic	337	355	
basalt gray/brwn fract	355	374	
basalt gray hrd	374	411	
basalt brwn/gray fract	411	421	
basalt gray hrd	421	447	
basalt brwn/red decomp vesic	447	456	
basalt gray-blk hrd fract	456	470	
basalt gray hrd occ fract	470	576	
basalt gray med occ vesic	576	593	
basalt blk hrd	593	658	
claystone gray firm	658	694	
siltstone gray firm	694	742	
*testhole abandoned due to insufficient H2O			

Date Started: 5/25/04 Completed: 5/28/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/29/04

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WASH 61457
Wash
6457

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OCT 08 2004
WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Well Number: 1

WELL ID # L N/A
START CARD # 122314

(1) LAND OWNER:
Name: Mike Senbold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK:
☐New Well ☐Deepening ☐Alteration (repair/recondition) ☐Abandonment

(3) DRILL METHOD:
☐Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other: ____

(4) PROPOSED USE:
☐Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other ____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☐No
Depth of Completed Well ____
Explosives Used ☐Yes ☐No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other ____
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain) ____
Depth of Strata: ____

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WATER RESOURCES DEPT
SALEM, OREGON

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 102 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
____ Ft. below land surface Date ____
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 117

From	To	Est. Flow Rate	SWL
117	123	1 gpm	dnm
447	456	1 gpm	dnm

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
clay red silty	1	39	
rock decomp brwn/w clay	39	61	
basalt brwn decomp wthd some gray	61	85	
basalt gray decomp wthd	85	106	
basalt gray med	106	117	
basalt gray decomp slightly vesic	117	123	
basalt gray med-hrd occ fract	123	141	
basalt gray hrd fract	141	170	
basalt gray-brwn med-hrd	170	192	
basalt gray hrd w/occ fract	192	278	
basalt brwn decomp vesic	278	295	
basalt gray med-hrd w/vwn fract	295	317	
basalt gray hrd w/occ fract	317	337	
basalt brwn/gray decomp vesic	337	355	
basalt gray/brwn fract	355	374	
basalt gray hrd	374	411	
basalt brwn/gray fract	411	421	
basalt gray hrd	421	447	
basalt brwn/red decomp vesic	447	456	
basalt gray/blk hrd fract	456	470	
basalt gray hrd occ fract	470	576	
basalt gray med occ slightly vesic	576	593	
basalt blk hrd	593	658	
clay/claystone gray firm	658	694	
siltstone gray firm	694	742	

Date Started: 5/25/04 Completed: 5/25/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/29/04

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WASH 61458

STATE OF OREGON Arrow 04-019
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Wash 61458

WELL ID # L 70234
START CARD # 166929

(1) LAND OWNER:
Well Number: 3
Name: Mike Seabold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other: ____

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other ____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 258'
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	78	cement	8	78	19 bags
			bent chps	0	8	3 bags
6 ¼"	78	603				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bentonite poured - probed
Backfill placed from 258 to 603 Material cement 5% bent
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	24"	78'	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

N/A				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	Tele/pipe size	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☒Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
dry			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
____
Depth of strata: ____

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SALEM, OREGON

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 102 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
dry Ft. below land surface Date ____
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 95'

From	To	Est. Flow Rate	SWL
95	125	5 gpm	dnm
145	158	4 to 4 1/2 gpm	dnm
441	451	2 1/2 to 3 gpm	dnm

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
clay brwn silty	1	17	
clay reddish brwn silty	17	34	
rock brwn decomp wthd sft w/clay	34	70	
basalt gray/brwn wthd	70	95	
basalt brwn/gray decomp vesic	95	106	
basalt gray wthd slightly decomp	106	125	
basalt gray hrd	125	133	
basalt brwn med	133	145	
basalt gray hrd well fract	145	158	
basalt gray hrd occ fract	158	256	
basalt gray hrd fract	256	277	
basalt brwn/gray slightly vesic	277	286	
basalt gray hrd fract	286	292	
basalt gray hrd occ fract	292	360	
basalt gray very hrd	360	408	
basalt gray/brwn vesic	408	417	
basalt gray hrd occ fract	417	441	
basalt gray/red vesic	441	445	
basalt gray vesic	445	451	
basalt gray med slightly vesic	451	468	
basalt gray hrd	468	531	
clay gray sticky	531	537	
clay red	537	550	
clay gray/red/brwn/green	550	603	
Well went dry after developing.			

Date Started: 6/11/04 Completed: 6/28/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/29/04

ORIGINAL - Water Resources Department FIRST COPY - Constructor SECOND COPY - Customer

WASH 61459

STATE OF OREGON Arrow 04-019
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # L N/A
START CARD # 166930

(1) LAND OWNER:
Well Number: 4
Name: Mike Seabold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK:
☒New Well ☐Deepening ☐Alteration (repair/recondition) ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☒Other test hole

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	7'	see 12			
6 1/4"	7	583				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☐ Other
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
N/A				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

N/A				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
abandoned			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a chemical analysis made? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
Depth of Strata: ____

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WATER RESOURCES DEPT
SALEM, OREGON

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 101 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) adjacent to 12525 SW Brighton Lane, Hillsboro, Oregon 97132

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date ____
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 95

From	To	Est. Flow Rate	SWL
95	104	trace	dnm
173	177	6 gpm	dnm
445	460	2 gpm	dnm

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
soil and gravel fill	0	1	
clay reddish brwn silty	1	27	
clay brwn silty	27	65	
rock brwn decomp wthd	65	78	
basalt gray/brwn wthd	78	95	
basalt brwn vesic	95	104	
basalt gray hrd	104	112	
basalt brwn med occ fract	112	148	
basalt gray hrd	148	157	
basalt brwn/red slightly vesic	157	173	
basalt brwn/red/gray bkn (loose)	173	177	
basalt gray hrd well fract	177	200	
basalt gray hrd	200	279	
basalt gray hrd fract	279	284	
basalt gray/brwn slightly vesic	284	290	
basalt gray med-hrd fract	290	308	
basalt gray med-hrd	308	329	
basalt brwn/gray slightly vesic	329	337	
basalt gray/brwn med-fract	337	374	
basalt gray-hrd	374	413	
basalt gray-vrwn fract some vesic	413	428	
basalt gray-med hrd	428	445	
basalt gray vesic some red	445	460	
basalt gray med-hrd some fract	460	510	
basalt gray hrd	510	559	
(continued on page 2)			

Date Started: 6/22/04 Completed: 6/25/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/29/04

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WASH 61459

STATE OF OREGON Arrow 04-019
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(1) LAND OWNER:
Well Number: 4
Name: Mike Seabold
Address: 12525 SW Brighton Lane
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☒Other test hole

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☐No
Depth of Completed Well
Explosives Used ☐Yes ☐No Type Amount

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from to Material
Gravel placed from to Size of gravel

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s):

(7) PERFORATIONS/SCREENS:
☐Perforations Method:
☐Screen Type: Material:

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water Depth Artesian Flow Found
Was a water analysis done? By whom:
Did any strata contain water not suitable for intended use? (explain)

Depth of Strata:

ARROW DRILLING 503-538-4422

PAGE 2 OF 2 **WELL ID # L N/A**
START CARD # 166930

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: Longitude:
Township: 2S Range: 3W
Section: 3 NW ¼ SE ¼
Tax Lot: 102 Lot: Block: Subdivision:
Street Address of Well (or nearest address) adjacent to 12525 SW Brighton Lane, Hillsboro, Oregon 97132

(10) STATIC WATER LEVEL:
Ft. below land surface Date
Artesian pressure lb. per sq. in. Date

(11) WATER BEARING ZONES:
Depth at which water was first found

From	To	Est. Flow Rate	SWL

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
claystone sticky	559	583	
test hole abandoned due to insufficient			
H2O.			
H2O from 173' to 177' initially 12 gpm			
but after 2 hrs dropped to 6 gpm.			
Test hole abandoned w/cement 2% bent			
from 6'0 to 583' - 116 sacks			
Bentonite chips 3' to 6' - 2 sacks			
Clean soil 0 to 3'			

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WATER RESOURCES DEPT
SALEM, OREGON

Date Started: 6/22/04 Completed: 6/25/04

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1483
Signed Date 7/29/04

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WASH 62896

STATE OF OREGON Arrow 05-033
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(1) LAND OWNER: Well Number: _____
Name: John Hall
Address: 12725 SW 2nd Street
City: Beaverton State: OR Zip: 97005

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other: _____

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 535
Explosives Used ☐Yes ☒No Type _____ Amount _____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	379	bent chip	0	49	22 bags
			cement	49	379	102 bags
6 ¼"	379	535	1% bent	"		"

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bentonite poured-probed
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+20"	379'	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4 1/2	294	495	160#	☐	☒	certilock
4 1/2	495	535	sch 40	☐	☒	certilock

Drive Shoe used ☐Inside ☒Outside ☐None
Final location of Shoe(s): 379' 4 1/2" x 5" pvc reducer top of liner

(7) PERFORATIONS/SCREENS:
☒Perforations Method: saw cut
☐Screen Type: _____ Material: _____

From	To	Slot Size	No.	Tele/pipe Diameter	size	Casing	Liner
495	535	3/16x7	84	4 1/2	pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☒Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
45	N/A	530	1 hr.
38	N/A	500	1/2 hr.
21	N/A	460	1/2 hr.

Temperature of water 54 Depth Artesian Flow Found _____
Was a water analysis done? yes By whom: Arrow
Did any strata contain water not suitable ~~for intended use~~? (explain) _____
Depth of Strata: _____

ARROW DRILLING 503-538-4422

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SEP 28 2005
WATER RESOURCES DEPARTMENT
SALEM, OREGON

WELL ID # L 79068
START CARD # 176612

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 03 NE ¼ NE ¼
Tax Lot: 107 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) nva across from 12770 SW Brighton Lane, Hillsboro, Oregon

(10) STATIC WATER LEVEL:
398 Ft. below land surface Date 9/20/05
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 265'

From	To	Est. Flow Rate	SWL
265	271	< 1 gpm	dnm
288	310	1 1/2 gpm	dnm
455	531	45 gpm	398

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
clay brwn silty	1	28	
rock brwn sft wthd	28	69	
basalt gray med-wthd	69	74	
basalt brwn decomp	74	92	
basalt gray med slightly decomp	92	104	
basalt gray/brwn vesic	104	115	
basalt gray med-hrd occ fract	115	137	
basalt gray hrd	137	161	
basalt gray/brwn med-hrd fract	161	166	
basalt gray slightly vesic	166	192	
basalt gray/brwn hrd fract	192	220	
basalt gray w/green seams hrd	220	255	
basalt gray/brwn hrd fract	255	265	
basalt brwn/gray (cindery)	265	271	
basalt gray hrd fract	271	278	
basalt gray hrd	278	288	
basalt brwn/gray vesic	288	310	
basalt gray med-hrd w/brwn seams	310	361	
basalt gray hrd	361	390	
basalt gray/brwn med	390	426	
basalt cindery brwn gray/red	426	437	
basalt gray med-hrd	437	445	
basalt blk hrd	445	455	
basalt blk hrd fract	455	463	
basalt gray hrd fract	463	516	
basalt blk vesic	516	526	
basalt brwn decomp very loose vesic	526	534	
basalt blk hrd	534	535	

Date Started: 9/14/05 Completed: 9/20/05

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed _____ Date 9/22/05

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WASH 62986

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

RECEIVED
OCT 0 6 2005
WATER RESOURCES DEPT
SALEM, OREGON

WELL ID # L 79069
START CARD # 176594

(1) LAND OWNER: Well Number: _____
Name: Harry Seabold
Address: 9965 SW Arctic Drive
City: Beaverton State: OR Zip: 97005

(2) TYPE OF WORK: ☒New Well ☐Deepening ☐Alteration (repair/recondition) ☐Abandonment

(3) DRILL METHOD: ☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger ☐Other: _____

(4) PROPOSED USE: ☒Domestic ☐Community ☐Industrial ☐Irrigation ☐Thermal ☐Injection ☐Livestock ☐Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 582
Explosives Used ☐Yes ☒No Type _____ Amount _____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	299	bent chip	0	50	35 bags
			cement	56	299	70 bags
6 1/4"	299	583	1 % bent			

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bent chips poured-probed
Backfill placed from 582 to 583 Material cave in
Backfill placed from 50 to 56 Material bent chps
Gravel placed from _____ to _____ Size of gravel _____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+16"	299	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4 1/2	281	542	160#	☐	☒	certilock
4 1/2	542	582	sch 40	☐	☒	certilock

Drive Shoe used ☐ Inside ☒ Outside ☐ None
Final location of Shoe(s): 299' 4 1/2" x 5" pvc reducer top of liner

(7) PERFORATIONS/SCREENS:
☒Perforations Method: saw cut
☐Screen Type: _____ Material: _____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
542	582	3/16 x 7	84	4 1/2	pipe	☐	☒
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☒Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
54	N/A	580	1 hr.
54	N/A	580	2 hrs.
45	N/A	540	1/2 hr.
35	N/A	500	1/2 hr.

Temperature of water 55 Depth Artesian Flow Found _____
Was a water analysis done? _____ By whom: _____
Did any strata contain water not suitable for intended use? (explain)
_____
Depth of Strata: _____

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: _____ Longitude: _____
Township: 2S Range: 3W
Section: 03 SE ¼ SE ¼
Tax Lot: 501 Lot: _____ Block: _____ Subdivision: _____
Street Address of Well (or nearest address) 34373 SW Bald Peak Hillsboro, Oregon 97123

(10) STATIC WATER LEVEL:
407 Ft. below land surface Date 9/26/05
Artesian pressure _____ lb. per sq. in. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 98

From	To	Est. Flow Rate	SWL
98	130	4 gpm	dnm
161	174	3 1/2 gpm	dnm
266	275	1 1/2 gpm	dnm
549	575	54 gpm	407

(12) WELL LOG: Ground Elevation: _____

Material	From	To	SWL
top soil	0	1	
clay brwn silty	1	5	
clay red silty stiff	5	32	
clay tan sticky	32	36	
rock brwn very sft decomp	36	98	
basalt gray med some wthd	98	111	
basalt gray/brwn med fract	111	130	
basalt gray med-hrd occ fract	130	161	
basalt gray vesic	161	174	
basalt gray hrd fract	174	210	
basalt gray hrd occ fract	210	266	
basalt gray med slightly vesic	266	275	
basalt gray med	275	292	
basalt gray hrd	292	319	
basalt gray/brwn decomp vesic	319	331	
basalt gray/brwn med fract	331	344	
basalt gray med-hrd occ fract	344	368	
basalt gray hrd	368	399	
basalt blk hrd fract	399	408	
basalt brwn/gray slightly vesic	408	417	
basalt gray med-hrd	417	439	
basalt gray/red slightly vesic	439	446	
basalt gray/blk hrd occ fract	446	549	
basalt brwn decomp vesic soft loose	549	570	
basalt gray/blk vesic	570	575	
basalt gray/blk hrd	575	583	

Date Started: 9/22/05 Completed: 9/26/05

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed _____ Date 9/30/05

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WASH 62987

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

PAGE 1 OF 2 WELL ID # L N/A
START CARD # 176618

(1) LAND OWNER:
Well Number
Name: Harry Seabold
Address: 9965 SW Arctic Drive
City: Beaverton State: OR Zip: 97005

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other: ____

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other ____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	7	see 12			
6 1/4"	7	643				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☐ Other
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
N/A				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

N/A				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	size	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
abandon			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata: ____

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 03 SE ¼ SE ¼
Tax Lot: 501 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) 34373 SW Bald Peak Hillsboro, Oregon 97123

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date ____
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 151

From	To	Est. Flow Rate	SWL
151	165	5 gpm	dnm
240	254	1 gpm	dnm
297	310	1 gpm	dnm
523	624	5 gpm	dnm

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
clay brwn silty	1	4	
clay reddish brwn silty	4	21	
rock very sft decomp brwn/red	21	60	
rock sft brwn wthd	60	75	
basalt gray brwn sft wthd	75	86	
basalt gray med soft wthd	86	105	
basalt gray med-hrd	105	132	
basalt gray med-hrd fract	132	151	
basalt gray hrd fract/bkn	151	165	
basalt gray hrd well fract	165	170	
basalt gray hrd occ fract	170	181	
basalt gray hrd	181	240	
basalt gray/blk vesic	240	254	
basalt gray med-hrd fract	254	270	
basalt gray hrd	270	297	
basalt gray slightly vesic	297	310	
basalt gray hrd fract	310	327	
basalt gray hrd well fract	327	332	
basalt gray hrd fract	332	360	
basalt gray hrd w/occ fract	360	377	
basalt gray hrd fract	377	393	
basalt gray hrd	393	417	
basalt gray/red slightly vesic	417	423	
basalt blk hrd w/occ fract	423	460	
basalt gray hrd fract	460	495	
basalt gray hrd	495	523	
(Continued on page 2)			

Date Started: 9/20/05 Completed: 9/22/05

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 9/30/0

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WASH 62987

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

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WATER RESOURCES DEPT
SALEM, OREGON

PAGE 2 OF 2 WELL ID # L N/A
START CARD # 176618

(1) LAND OWNER: Well Number

Name: Harry Seabold
Address: 9965 SW Arctic Drive
City: Beaverton State: OR Zip: 97005

(2) TYPE OF WORK: ☒New Well ☐Deepening ☐Alteration (repair/recondition) ☒Abandonment

(3) DRILL METHOD: ☐Rotary Air ☐Rotary Mud ☐Cable ☐Auger ☐Other: ____

(4) PROPOSED USE: ☐Domestic ☐Community ☐Industrial ☐Irrigation ☐Thermal ☐Injection ☐Livestock ☐Other ____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☐No
Depth of Completed Well ____
Explosives Used ☐Yes ☐No Type ____ Amount ____

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other ____
Backfill placed from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel ____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

				☐	☐	☐	☐
				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of Shoe(s): ____

(7) PERFORATIONS/SCREENS:
☐Perforations Method: ____
☐Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Baller ☐Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____
Was a water analysis done? ____ By whom: ____
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata: ____

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 03 SE ¼ SE ¼
Tax Lot: 501 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) 34373 SW Bald Peak Hillsboro, Oregon 97123

(10) STATIC WATER LEVEL:
____ Ft. below land surface Date ____
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found ____

From	To	Est. Flow Rate	SWL

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
basalt gray/brwn slightly vesic	523	532	
basalt blk hrd	532	550	
basalt gray/blk hrd	550	581	
basalt blk hrd fract	581	624	
siltstone gray firm	624	643	
Borehole abandoned method C with			
144 sacks of cement 5% bentonite			
due to insufficient H20.			
cement	1	643	
clayey soil	0	1	

Date Started: 9/20/05 Completed: 9/22/05

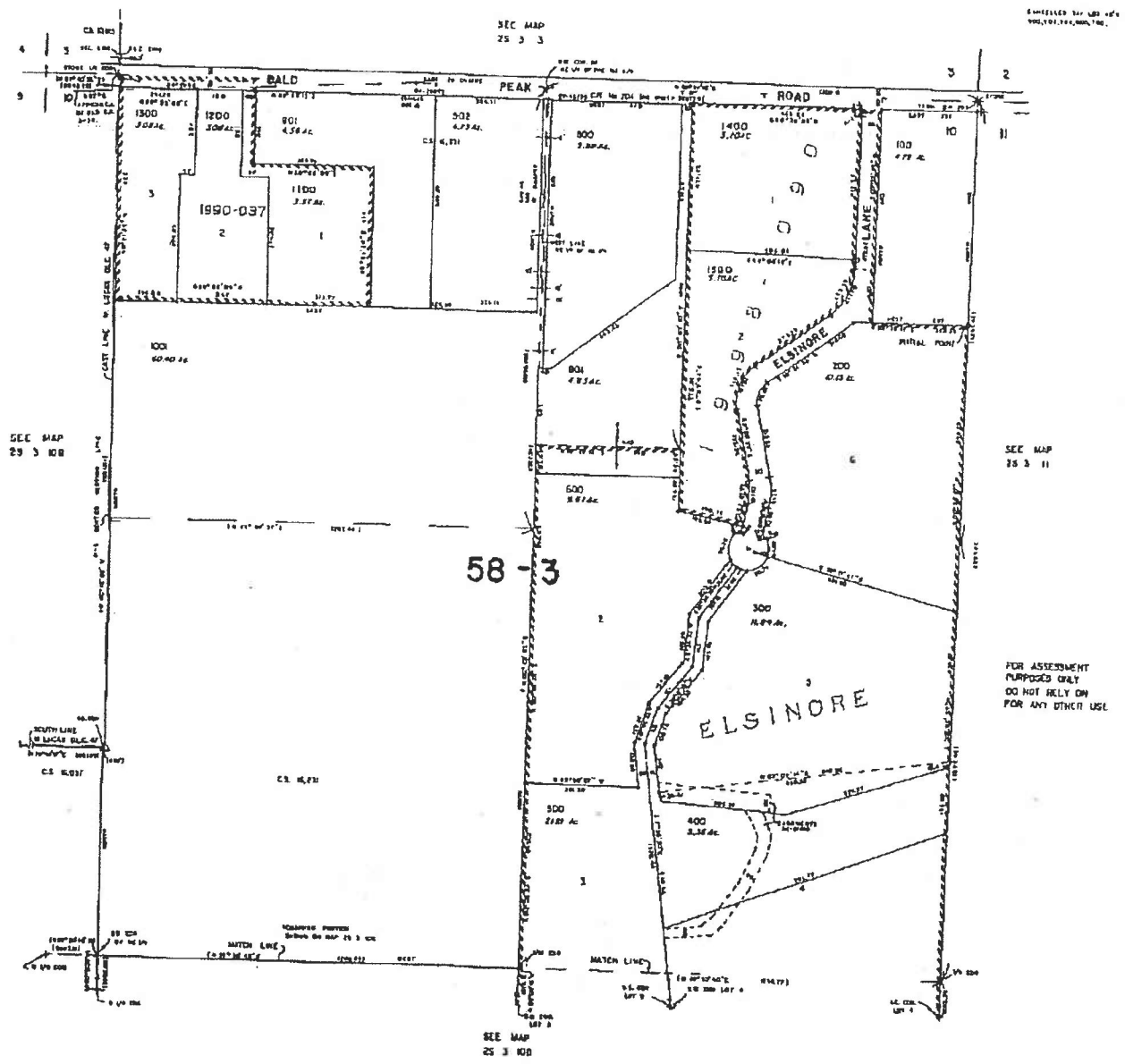
(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed John R. Stubs Date 9/30/05

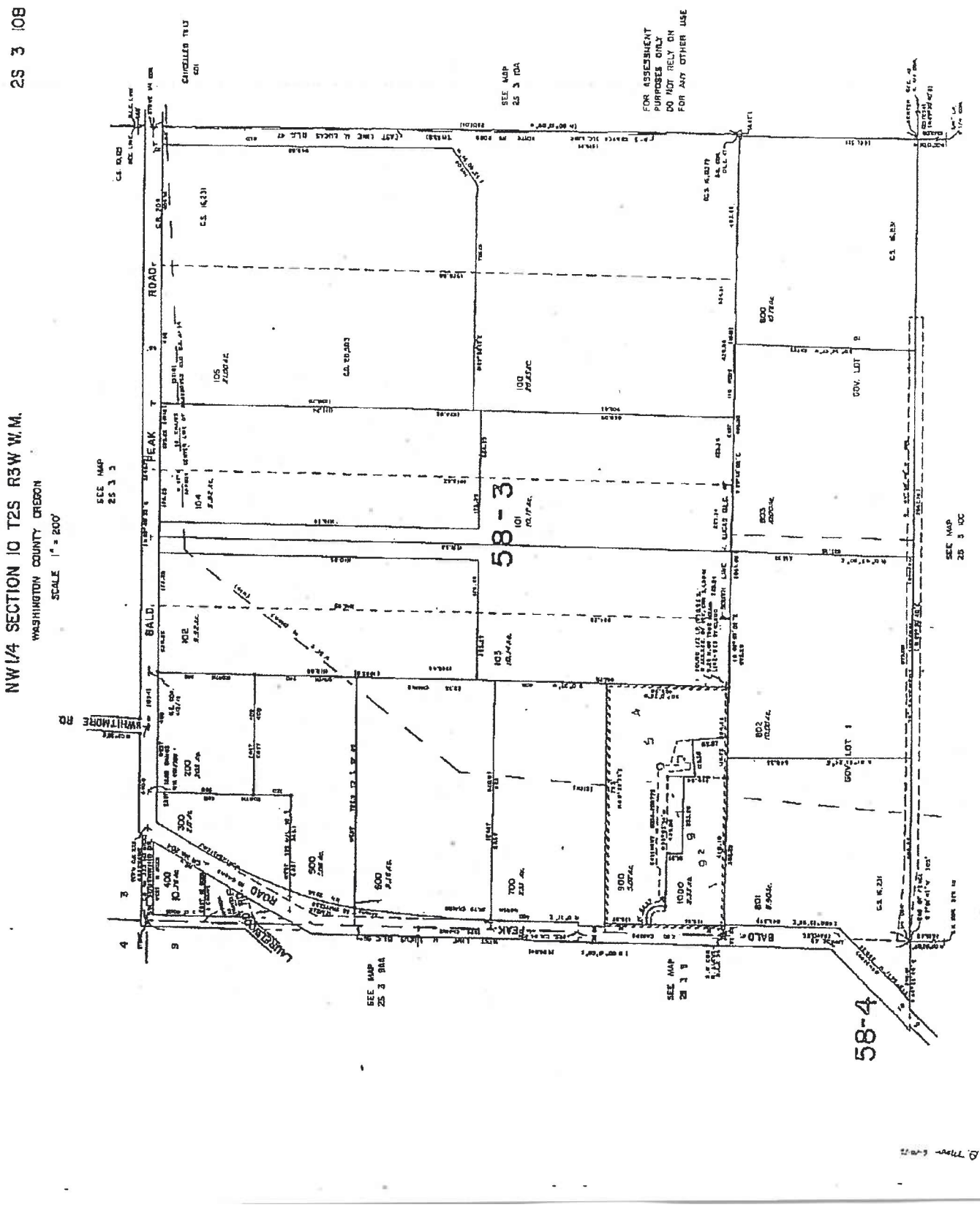
ORIGINAL - Water Resources Department FIRST COPY - Constructor SECOND COPY - Customer

NE 1/4 SECTION 10 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1" = 200'

2S 3 10A



2S 3 10A


NW1/4 SECTION 10 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1" = 200'
2S 3 10B
2S 3 10B
FOR ASSESSMENT PURPOSES ONLY DO NOT RELY ON FOR ANY OTHER USE
SEE MAP 2S 3 10A
SEE MAP 2S 3 10C
SEE MAP 2S 3 9A
SEE MAP 2S 3 9
58-3
58-4
BALD. PEAK ROAD
WHITMORE RD
GOV. LOT 1
GOV. LOT 2
LAURELWOOD RD.
ROAD
PEAK
BALD.

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
SEP 11 1972
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

State Well No. 2S/3W-10 dc

State Permit No.

(1) OWNER:
Name Jerry Voss
Address 6375 SW Hall Hattan Lane
Beaverton, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 45 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 32 gal./min. with 182 ft. drawdown after 2 hrs.
" " "
" " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 45 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 9 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 304
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 422 ft.
Static level 268 ft. below land surface. Date 8-11-72
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 450 ft. Depth of completed well 450 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	8	
Brown Shale	8	32	
Gray Basalt + Clay Seams	32	134	
Red Porous Basalt	134	138	
Gray Broken Basalt	138	230	
Hard Gray Basalt	230	244	
Gray Broken Basalt	244	286	
Hard Gray Basalt	286	310	
Yellow Porous Basalt	310	322	
Hard Gray Basalt	322	394	
Gray Broken Basalt	394	408	
Hard Gray Basalt	408	422	
Yellow Brown Porous Basalt (Water)	422	442	268
Hard Gray Basalt	442	450	

Work started 8-7 19 72 Completed 8-11 19 72
Date well drilling machine moved off of well. 8-11 19 72

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borchers (Drilling Machine Operator) Date 8-12, 19 72
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT3 Box 371A Sherwood Ore.
[Signed] Raymond A. Borchers (Water Well Contractor)
Contractor's License No. 404 Date 8-12, 19 72

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45055-110

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
DEC 8 1976
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10dc
State Permit No.

(1) OWNER:
Name W. A. VoTaneh
Address P.O Box 500
Beaverton Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 60 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? OPerator
Yield: 60 gal./min. with 198 ft. drawdown after 2 hrs.
AIR LIFT " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 60 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 10 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 531
SW ¼ SE ¼ Section 10 T 2S R 3W W.M.
Bearing and distance from section or subdivision corner TAX
Lot 1201 + 1202

(11) WATER LEVEL: Completed well.
Depth at which water was first found 396 ft.
Static level 207 ft. below land surface. Date 9-23-76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 425 ft. Depth of completed well 425 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Brown Clay	2	28	
Medium Hard Gray Basalt	28	54	
Harder Gray Basalt	54	78	
Porous Gray Basalt	78	112	
Hard Gray Basalt	112	128	
Brown + Gray Basalt	128	134	
Hard Gray Basalt	134	160	
Gray Basalt & Clay Seams	160	186	
Hard Gray Basalt	186	195	
Brown + Gray Basalt	195	242	
Hard Gray Basalt	242	263	
Brown + Yellow	263	275	
Hard Gray Basalt	275	396	
Brown Porous Basalt (Water)	396	414	207
Hard Gray Basalt	414	425	

Work started 9-21 19 76 Completed 9-23 19 76
Date well drilling machine moved off of well 9-23 19 76

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond L Borchers (Drilling Machine Operator) Date 9-23, 1976
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3, Box 276A, Stayton
[Signed] Raymond L Borchers (Water Well Contractor)
Contractor's License No. 404 Date 9-23, 1976

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45036-119

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NOV 3 0 1992
WATER RESOURCES DEPT.
SALEM, OREGON

WASH 1763

RECEIVED
FEB - 4 1993
WATER RESOURCES DEPT.
SALEM, OREGON

2S/3W/10a

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 45188

(1) OWNER: Well Number
Name Neil Schneider
Address 14100 Sw Stickney Dr.
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 280 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	58	Cement	0	58	15 Sacks
6"	58	280				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+2	60	¼	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"				☐	☒	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Saw
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
160	280	⅛x12	70	4"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30	180	280	1 hr.

Temperature of Water 58 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Wash. Latitude Longitude
Township 2 N or S. Range 3 E or W. WM.
Section 10 NE ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) Same as above

(10) STATIC WATER LEVEL:
90 ft. below land surface. Date 11/12/92
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 250

From	To	Estimated Flow Rate	SWL
250	255	30	90

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Top Soil	0	1	
Clay - Brown	1	15	
Clay - Red & Brown	15	40	
Claystone - Brown	40	45	
Rock - Broken - Brown & Gray	45	50	
Rock & Clay - Gray	50	75	
Rock & Clay - Gray & Brown	75	82	
Rock - Brown, Yellow & Gray	82	95	
Rock - Gray	95	142	
Rock - Gray, Green & Red	142	148	
Rock - Gray	148	176	
Rock - Gray & Brown	176	182	
Rock - Gray	182	230	
Rock - Green & Gray	230	235	
Rock - Gray	235	250	
Rock - Gray, Green & Black	250	255	90
Rock - Black - Broken	255	270	
Rock - Gray - Hard	270	280	

Date started 11/11/92 Completed 11/13/92

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 663
Signed Rodney C. Gibson Date 11/26/92

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 10/91

2S/3W/10d

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WRD# 34910

RECEIVED
OCT 29 1993
WATER RESOURCES DEPT.
SALEM, OREGON

(START CARD) # 52819

(1) OWNER: Well Number 828
Name Russ & Alissa Zynda
Address P.O. Box 6024
City Aloha State OR Zip 97007

(2) TYPE OF WORK:
[X] New Well [ ] Deepen [ ] Recondition [ ] Abandon

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 465 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	79'	Cement	0'	78'	22 Sacks
6"	79'	465				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	79'	.25	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 79'

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25 GPM		465'	1 hr.

Temperature of Water 54° Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S. Range 3-W E or W. WM.
Section 10 D ¼ ¼
Tax Lot 1200 Lot Block Subdivision
Street Address of Well (or nearest address) Cloudrest Lane, Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
305 ft. below land surface. Date 9/28/93
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 355'

From	To	Estimated Flow Rate	SWL
355	395	8 GPM	n/a
420'	425'	13 GPM	n/a
445'		16 GPM	
465'		25 GPM	305'

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Top Soil	0	1	
Dark Brown Clay	1	18	
MH Decomposed Brwn Basalt	18	40	
H Brwn Basalt w/ layers of Clay	40	65	
H Brwn Basalt	65	105	
H Decomposed Brwn Basalt	105	245	
H Decomposed Gray/Brwn Basalt	245	270	
H Gray Basalt	270	290	
H Black Basalt	290	295	
H Gray Basalt	295	390	
H Black Basalt	390	395	
H Gray Basalt w/ Soapstone	395	405	
H Gray/Brown Fractured Basalt	405	420	
H Gray Basalt	420	465	305'

Date started 9/23/93 Completed 9/28/93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 645
Signed Date 10/26/93

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 10/91

WASH

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

013407

PLEASE TYPE or PRINT IN INK

25/3W-10.

RECEIVED
AUG 29 1985
WATER RESOURCES DEPT.
SALEM, OREGON
(for official use only)

(1) OWNER:
Name Earl Baker
Address Route 2 Box 590
City Hillsboro State OR

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Thermal: Withdrawal ☐ Reinjection ☐
Other: Piezometric ☐ Grounding ☐ Test ☐

(5) CASING INSTALLED: Steel ☑ Threaded ☐ Plastic ☐ Welded ☑
6" Diam. from +1 ft. to 19 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED: Steel ☑ Threaded ☐ Plastic ☐ Welded ☑
4" Diam. from +1 ft. to 340 ft. Gauge 10 9/14

(6) PERFORATIONS: Perforated? ☑ Yes ☐ No
Size of perforations 1/4 in. by 6 in.
17 perforations from 280 ft. to 300 ft.
17 perforations from 320 ft. to 340 ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Air test 7/2 gal./min. with drill stem at 320 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☑
Well seal—Material used Cement +5% Bentonite
Well sealed from land surface to 18 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Amount of sealing material 4 sacks ☑ pounds ☐
How was cement grout placed? Tremie
Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:
County Washington Sec. 10 of
Township 2S (Township is North or South) Range 3W (Range is East or West) WM.
Tax Lot Lot Block Subdivision
MAILING ADDRESS OF WELL (or nearest address)
Same

(11) WATER LEVEL of COMPLETED WELL:
Depth at which water was first found 68 ft.
Static level 80 ft. below land surface. Date 7-16
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 340 ft. Depth of completed well 340 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soil	0	1	
Brn Clay	1	6	
Red Clay	6	14	
Brn Clay	14	19	
Brn Sandstone	19	27	
Weathered Rock	27	41	
Brn Clay	41	45	
Seamy Brn Rock	45	72	
Blue Rock	72	158	
Black Rock	158	164	
Grey Clay	164	168	
Brn Clay	168	173	
Red Clay	173	179	
Brn Clay	179	198	
Seamy Rock	198	289	
Blue/Grey Clay	289	293	
Brn Clay	293	327	
Brn Shale	327	340	

Date work started 7-15 /completed 7-16
Date well drilling machine moved off of well 7-16 19 85

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Date 19

(bonded) Water Well Constructor Certification:
Bond 140898 (number) Issued by: Ore Auto Ins Co. (Surety Company Name)
On behalf of Don Feakin (type or print name of Water Well Constructor)
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(Signed) Don Feakin (Water Well Constructor)
(Dated) 8-23-86

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*46860-690

RECEIVED
AUG 13 1985
WATER RESOURCES DEPT
SALEM, OREGON

WASH 013408

25/3W-10c
(for official use only)

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

PLEASE TYPE or PRINT IN INK

(1) OWNER:
Name Gary Ellgson
Address Route 3 Box 178A
City Sherwood State OR

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Thermal: Withdrawal ☐ Reinjection ☐
Other: Piezometric ☐ Grounding ☐ Test ☐

(5) CASING INSTALLED: Steel Threaded ☐ Welded ☑ Plastic ☐
6 " Diam. from +1 ft. to 24 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED: Steel Threaded ☐ Welded ☐ Plastic ☐
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☑ No
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
gal./min. with ft. drawdown after hrs.
Air test 20 gal./min. with drill stem at 305 ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☑
Well seal—Material used Cement 15% Bentonite
Well sealed from land surface to 22 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Amount of sealing material 5 sacks ☑ pounds ☐
How was cement grout placed? Tremie
Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:
County Washington ¼ SW ¼ of Section 10 of
Township 2S (Township is North or South) Range 3W (Range is East or West) WM.
Tax Lot Lot Block Subdivision
MAILING ADDRESS OF WELL (or nearest address) Route 2 Box 589 Hillsboro

(11) WATER LEVEL of COMPLETED WELL:
Depth at which water was first found 85 ft.
Static level 80 ft. below land surface. Date 7-18
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 326 ft. Depth of completed well 325 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soil	0	1	
DRK BRN Clay	1	6	
BRN Clay	6	19	
BRN Sandstone	19	48	
Soft BRN Rock	48	60	
Red Cinders	60	63	
BRN Sandstone	63	76	
Seamy BRN Rock	76	92	
Black Rock	92	142	
Grey Rock	142	168	
BRN Seamy Rock	168	189	
Black Rock	189	201	
BRN Seamy Rock	201	207	
Grey Clay	207	216	
BRN Clay	216	236	
Blue Rock	236	267	
Basalt Porous Rock with Clay Seams	267	325	

Date work started 7-17 /completed 7-18
Date well drilling machine moved off of well 7-18 19 85

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Date , 19

(bonded) Water Well Constructor Certification:
Bond 140898 (number) Issued by: Ore Auto Ins Co (Surety Company Name)
On behalf of Don Feakin (Type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:
(Signed) Don Feakin (Water Well Constructor)
(Dated) 8-10-85

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*40868-690

WATER WELL REPORT
STATE OF OREGON

RECEIVED
FEB 15 1984
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10
State Permit No. WASH 013409

PLEASE TYPE or PRINT

(1) OWNER:
Name Harold Elliott
Address 7825 S.W. Hall
City Beaverton State ORE

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☑ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☑ Plastic ☐
Threaded ☐ Welded ☑
10" Diam. from +1 ft. to 20 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
6" Diam. from +1.5 ft. to 100 ft. Gauge .250

(6) PERFORATIONS:
Perforated? ☑ Yes ☐ No
Type of perforator used Torch
Size of perforations 1" Dia in. by in.
10 perforations from 40 ft. to 60 ft.
10 perforations from 80 ft. to 100 ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
Air test 20 gal./min. with drill stem at 80 ft. 2 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☑
Well seal—Material used Cement + 5% Bentonite
Well sealed from land surface to 19 ft.
Diameter of well bore to bottom of seal 14 in.
Diameter of well bore below seal 10 in.
Number of sacks of cement used in well seal 6 sacks
How was cement grout placed? pumped
Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 10 T. 3W R. 2S W.M.
Tax Lot # Lot Blk Subdivision
Address at well location: Rt 2 Box 606 Hillsboro, 97123
Ball Peak Rd

(11) WATER LEVEL: Completed well.
Depth at which water was first found 40 ft.
Static level 30 ft. below land surface. Date 1-28-84
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 10"
Depth drilled 100 ft. Depth of completed well 100 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
BRN Clay	2	6	
BRN Clay / Boulders	6	8	
Reddish BRN Clay	8	16	
Blue Clay	16	37	
BRN Sandstone	37	48	
Soft Broken BRN Rock	48	53	
BRN/Green Sandstone	53	74	
Soft Broken BRN Rock	74	84	
Grey Sandstone	84	98	
Med Blue Rock	98	100	

Work started 1-26 1984 Completed 1-28 1984
Date well drilling machine moved off of well 1-28 1984

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Date 19

Bonded Water Well Constructor Certification:
Bond 140 898 (number) Issued by: ORE Auto Ins Co (Surety Company Name)
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name TURNER DRILLING CO. (Person, firm or corporation) (Type or print)
Address 14825 N.W. Gillihan Rd Portland
[Signed] Dan Feeken (Water Well Constructor)
Date 2-8 1984

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*45292-690

WASH
013410

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON, within 30 days from date of well completion.

RECEIVED
OCT 3 1968
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2/3W-10

State Permit No. _____

(1) OWNER:
Name Harris Lacey
Address R1e 1 Box 190 Beaverton, Oregon

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 96 ft. Gage 17#
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well
Static level 275 ft. below land surface Date 9-25-68
Artesian pressure _____ lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "
Bailer test 8 gal./min. with 40 ft. drawdown after 1 hrs.
Artesian flow _____ g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Sand and cement
Depth of seal 96 feet ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth _____
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 10 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6 inch
Depth drilled 350 ft. Depth of completed well 350 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top soil	0	2	
Yellow sandy clay	2	40	
Yellow sandy clay and boulders	40	75	
Soft brown rock	75	85	
Blue med. rock	85	125	
Brown soft rock	125	170	
Blue hard rock	170	185	
Blue med. rock	185	215	
Brown med. rock	215	275	
Blue hard rock	275	305	
Black lava rock	305	345	
Clay clay	345	350	

Work started 9-24-68 19 Completed 9-25-68 19
Date well drilling machine moved off of well 9-25-68 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Ralph Turner Date 10-1, 1968
(Drilling Machine Operator)

Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ralph Turner Drilling Co.
(Person, firm or corporation) (Type or print)

Address Rte 1 Box 141 Hillsboro, Oregon

[Signed] Ralph Turner
(Water Well Contractor)

Contractor's License No. 247 Date 10-1 1968

(USE ADDITIONAL SHEETS IF NECESSARY)

NC WASH 013411

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED JUL 6 1967 STATE ENGINEER SALEM OREGON

RECEIVED JUL 11 1967 STATE ENGINEER SALEM OREGON

State Well No. 2/3W-10
State Permit No.

(1) OWNER:
Name John H. Redman
Address 3545 SW 124 Beaverton Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
[illegible] ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 30 ft. Gage 17
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☐ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 155 ft. below land surface Date 6/30/67
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 7 gal./min. with 115 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used Cement & Sand
Depth of seal 30 ft.
Diameter of well bore to bottom of seal 9" in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Wash Driller's well number
¼ ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 410 ft. Depth of completed well 410 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
top soil	0	2	
Brown clay	2	10	
yellow sandstone	10	25	
Brown Rock soft	25	35	
Red Lava	35	50	
Brown Broken rock	50	80	
Blue Rock med.	80	135	
Brown Rock soft	135	190	
Blue Rock Hard	190	212	
Brown Rock soft	212	255	
Blue rock hard	255	285	
Black Lava	285	310	
Gray rock hard	310	335	
yellow Lava	335	350	
Black rock hard	350	410	

Work started 6/28 1967 Completed 6/30 1967
Date well drilling machine moved off of well 6/30 1967

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Ralph Turner (Drilling Machine Operator) Date 7/4, 1967
Drilling Machine Operator's License No. 2521

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Ralph Turner (Person, firm or corporation) (Type or print)
Address R-1 Box 141 Hillsboro Ore
[Signed] Ralph Turner (Water Well Contractor)
Contractor's License No. 247 Date 7/4, 1967

(USE ADDITIONAL SHEETS IF NECESSARY)

AUG 18 1961

WASH 013412

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. 3S/4W-10

State Permit No.

(1) OWNER:
Name Merle W. Graham
Address Rt. 2 Box 87
Hillsboro, Ore.

(2) LOCATION OF WELL:
County Wash. Owner's number, if any—
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner

10 2S 3W

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 57 ft. Gage Std.
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? ☒ Yes ☐ No. To what depth? 57 ft.
Material used in seal— Driving casing
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 143 ft. below land surface Date 8/4/61
Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] (Owner) Date , 19

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 5 gal./min. with 52 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:
Diameter of well 6 inches.
Depth drilled 201 ft. Depth of completed well 201 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Topsoil	0	2
Red-brown clay	2	16
Clay & sand	16	35
Weathered rock	35	56
Rock	56	105
Weathered rock	105	106
Basalt rock	106	112
Porous basalt	112	115
Basalt rock	115	185
Basalt rock with a crevice	185	194
Basalt & porous basalt	194	201

Work started 6/26 19 61 Completed 8/4 19 61

(13) PUMP:
Manufacturer's Name
Type: H.P.

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. M. JANNSEN DRILLING CO.
(Person, firm, or corporation) (Type or print)
Address 21075 S. W. Tualatin Hwy., Aloha, Ore.
Driller's well number
[Signed] (Well Driller)
License No. 79 Date 8/15, 19 61

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE ENGINEER
Salem, Oregon

Well Record

WASH
013413

ab
STATE WELL NO. 25/3W-14BA
COUNTY Washington
APPLICATION NO. _____

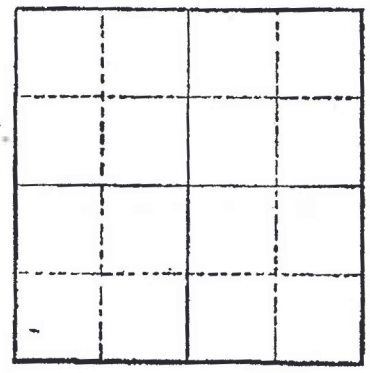
OWNER: S. A. Whitmore
MAILING ADDRESS: _____
CITY AND STATE: _____

LOCATION OF WELL: Owner's No. _____

_____¼ _____¼ Sec. _____ T. _____ N. S., R. _____ E. W., W.M.

Bearing and distance from section or subdivision corner _____

Altitude at well 1,000 ft.



TYPE OF WELL: drilled Date Constructed _____

Depth drilled 102 ft. Depth cased 50 ft.

Section _____

CASING RECORD: 6 inch.

FINISH:

AQUIFERS: Basalt from 50 to 58 ft.

WATER LEVEL: 20 ft. below land surface.

PUMPING EQUIPMENT: Type Jet H.P. _____
Capacity _____ G.P.M.

WELL TESTS:
Drawdown _____ ft. after _____ hours _____ G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER domestic Temp. _____ °F. _____, 19____
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER _____
ADDITIONAL DATA:
Log _____ Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS: Water level reported to draw down considerably under normal use.

State Printing 80316

RECEIVED
FEB 11 1959
STATE ENGINEER
SALEM, OREGON

WASH 13414

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. 2/3W-10D 66

State Permit No.

(1) OWNER:
Name Gordon Coward
Address Rt. 2 Box 99
Hillsboro, Oregon

(2) LOCATION OF WELL:
County Washington Owner's number, if any—
NW ¼ NW ¼ Section 10 T. 2 So. R. 3 W. W.M.
Bearing and distance from section or subdivision corner
Approx. 300 ft. So. of NW corner of Sec. 10 & 100 ft. East.

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]
8" Diam. from 0 ft. to 41 ft. Gage Std
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [ ] Yes [ ] No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed [ ] Yes [ ] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? [ ] Yes [ ] No To what depth? ft.
Material used in seal
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

Log Accepted by:
[Signed] (Owner) Date Nov. 15, 1958

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " " "
" " " " "
Bailer test 12 gal./min. with 8½ ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water 54 Was a chemical analysis made? [ ] Yes [ ] No

(12) WELL LOG:
Diameter of well 8 inches.
Depth drilled 154 ft. Depth of completed well 154 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Red clay	0	40
soft rock	40	65
grey rock	65	100
" " getting Harder	100	120
Grey hard Rock	120	140
Making about 1 Gal a Min	140	
Grey Rock	140	154
Making 12 Gals per Min At 154		

Work started Oct 22 1958. Completed Nov 1 1958

(13) PUMP:
Manufacturer's Name Pacific Pumping Co
Type: Sub H.P. 1

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Barron & Strayer
(Person, firm, or corporation) (Type or print)
Address Rt 1 Box 254 Beaverton Ore
Driller's well number
[Signed] (Well Driller)
License No. 35 Date Jan-9, 1959

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WSN 013415

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
MAR 20 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10C
State Permit No.

(1) OWNER:
Name Larry Knodel
Address 6111 NE 35th
Hillsboro, Ore. 97123

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from 0 ft. to 107 ft. Gage .250
5 5/16" Diam. from 100 ft. to 430 ft. Gage .188
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☑ Yes ☐ No
Type of perforator used Torch
Size of perforations 1/8 in. by 6 in.
10 perforations from 120 ft. to 140 ft.
20 perforations from 370 ft. to 390 ft.
20 perforations from 410 ft. to 430 ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Air Bailer test 3 gal./min. with 335 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used cement
Well sealed from land surface to 106 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 17 sacks
How was cement grout placed? poured
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ SW¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 42 ft.
Static level 75 ft. below land surface. Date 3-3-78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 430 ft. Depth of completed well 430 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top soil	0	2	
Brown Clay	2	7	
Yellow Clay	7	13	
Lt. Brown Clay	13	26	
Grey Sandy Clay	26	34	
Grey Sand stone	34	42	
Clay & Boulders	42	80	
Medium Brown Rock	80	110	
Black Lava	110	114	
Brown Rock	114	119	
Lt. Grey Clay	119	122	
Lt. Brown Clay	122	129	
Yellow Clay	129	143	
Brown Shale	143	169	
Grey Shale	169	183	
Green/Grey Shale	183	188	
Brown Shale	188	197	
Dark Brown Shale	197	430	

Work started 2-28 19 78 Completed 3-3 19 78
Date well drilling machine moved off of well 3-3 19 78

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Ralph Turner Date 3-3, 1978
(Drilling Machine Operator)
Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Turner Drilling Co. Inc.
(Person, firm or corporation) (Type or print)
Address RT1 Box 141 Hillsboro, Ore 97123
[Signed] Ralph Turner
(Water Well Contractor)
Contractor's License No. 247 Date 3-16, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-719

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WSH 013416

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
MAR 20 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10C
State Permit No.

(1) OWNER:
Name Larry Knodel
Address 611 NE 35th
Hillsboro Oregon 97123

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from 0 ft. to 80 ft. Gage .250
5 5/16" Diam. from 65 ft. to 212 ft. Gage .188
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☑ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 6 gal./min. with 100 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used cement
Well sealed from land surface to 78 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 13 sacks
How was cement grout placed? poured
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ SW ¼ Section 10 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 46 ft.
Static level 230 ft. below land surface. Date 3-7-78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 350 ft. Depth of completed well 350 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Topsoil	0	2	
Brown Clay	2	19	
Sandy Broken Clay	19	39	
Brown Sandstone	39	46	
Soft Brown Rock	46	57	
Blue Basalt	57	81	
Lt. Brown Shale	81	94	
Soft Brown Rock	94	117	
Med. Brown Rock	117	126	
Soft Brown Rock	126	152	
Brown Lava	152	158	
Med. Brown Rock	158	181	
Brown Lava	181	185	
Blue Basalt	185	284	
Black Lava	284	291	
Blue Basalt	291	330	
Brown Lava	330	350	

Work started 3-3 1978 Completed 3-7 1978
Date well drilling machine moved off of well 3-7 1978

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 3-7, 1978
Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Turner Drilling Co., Inc. (Person, firm or corporation) (Type or print)
Address Rt 1 Box 141 Hillsboro, Ore.
[Signed] (Water Well Contractor)
Contractor's License No. 247 Date 3-16, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45056-719

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON

State Well No. 2S/3W-10c

(Please type or print)

013417 (Do not write above this line)

State Permit No.

(1) OWNER:
Name Larry Knodel
Address 4037 N.E. Azalea
Hillsboro, OR 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from ~~+2~~ 0 ft. to 52 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Air Bailer test 30 gal./min. with 65 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 51 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 52 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 8 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County WASH Driller's well number 46
¼ SW ¼ Section 10 T 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 178 ft.
Static level 150 ft. below land surface. Date 4-7-78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 268 ft. Depth of completed well 268 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	10	
Yellow Clay	10	18	
Brown Sandstone	18	39	
Soft Brown Rock mixed	39	46	
med Blue Rock	46	63	
Soft Brown Conglomerate	63	75	
Diced Basalt	75	90	
Brown Soft Rock	90	105	
Black Basalt	105	175	
Red Volcanic Lava	175	178	
Brown Soft Rock	178	185	H_2O
Blue Basalt	185	260	
Red Volcanic Rock	260	261	
Black Lava	261	268	H_2O

Work started 4-6 19 78 Completed 4-7 1978
Date well drilling machine moved off of well 4-7 19 78

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] E.H. Carson (Drilling Machine Operator) Date 4-18, 1978
Drilling Machine Operator's License No. 1145

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Submersible Pump & Drilling Co. (Person, firm or corporation) (Type or print)
Address Rt. 1, Box 84-B Hillsboro, Ore. 97123
[Signed] Leonard L. Haley (Water Well Contractor)
Contractor's License No. 669 Date 4-18, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45856-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
JUN 27 1977
WATER RESOURCES DEPT.
SALEM, OREGON

013418

State Well No. 2S/3W-10 cc
State Permit No.

(1) OWNER:
Name Bruce Olsen
Address 240 SW 133 Beaverton Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 55 ft. Gage 250
4/8 OD" Diam. from 40 ft. to 240 ft. Gage 10
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☒ Yes ☐ No.
Type of perforator used Cut with Torch
Size of perforations 1/4 in. by 2 in. / Every 2'
perforations from 200 ft. to 240 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 8 gal./min. with 20 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 55 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 20 sacks
How was cement grout placed? pumped IN

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
SW ¼ SW ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 205 ft.
Static level 180 ft. below land surface. Date 6-14-77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 265 ft. Depth of completed well 265 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	1	
Red Clay	1	40	
Rock Hard	40	205	
Rock Soft	205	230	
Blue Shale	230	265	

Work started 6-10 1977 Completed 6-14 1977
Date well drilling machine moved off of well 6-14 1977

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Cyril Vandehey (Drilling Machine Operator) Date 6-20, 1977
Drilling Machine Operator's License No. 42

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Cyril Vandehey (Person, firm or corporation) (Type or print)
Address Rt 2 Box 262 Forest Grove Ore
[Signed] Cyril Vandehey (Water Well Contractor)
Contractor's License No. 353 Date 6-20, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

STATE ENGINEER
Salem, Oregon

Well Record

013419

WASH

STATE WELL NO. 25/2W-12N(1) cc
COUNTY Washington
APPLICATION NO. —

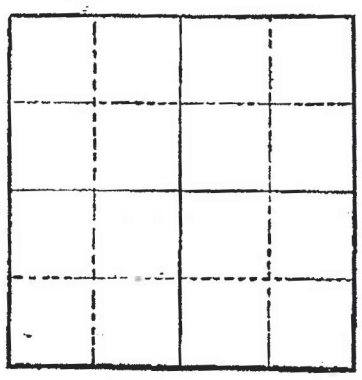
OWNER: Earl Baker
MAILING ADDRESS: —
CITY AND STATE: —

LOCATION OF WELL: Owner's No. —

¼ ¼ Sec. T. N. S., R. E. W., W.M.

Bearing and distance from section or subdivision corner

Altitude at well 1,125 ft.



Section

TYPE OF WELL: dug Date Constructed

Depth drilled 25 ft. Depth cased —

CASING RECORD: 48 inch

FINISH:

AQUIFERS: Alluvium.

WATER LEVEL: —

PUMPING EQUIPMENT: Type N H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER — Temp. °F., 19
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER
ADDITIONAL DATA:
Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS: —

State Printing 80316

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

RECEIVED
JUN 25 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH
013420

State Well No. 2/3W-10adc
State Permit No.

(1) OWNER:
Name SETh Jackson
Address 5290 SW Barclay Ct. Beaverton Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
___" Diam. from 0 ft. to 70 ft. Gage .250
___" Diam. from ___ ft. to ___ ft. Gage ___
___" Diam. from ___ ft. to ___ ft. Gage ___

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations ___ in. by ___ in.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name ___
Type ___ Model No. ___
Diam. ___ Slot size ___ Set from ___ ft. to ___ ft.
Diam. ___ Slot size ___ Set from ___ ft. to ___ ft.

(8) WATER LEVEL: Completed well.
Static level 3 14 ft. below land surface Date 6-22-70
Artesian pressure ___ lbs. per square inch Date ___

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 10 gal./min. with 156 ft. drawdown after 2 hrs.
" " " "
" " "
Bailer test ___ gal./min. with ___ ft. drawdown after ___ hrs.
Artesian flow ___ g.p.m. Date ___
Temperature of water 54° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite + Clay
Depth of seal 0 to 70 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth ___
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? ___ depth of strata ___
Method of sealing strata off ___
Was well gravel packed? ☐ Yes ☒ No Size of gravel: ___
Gravel placed from ___ ft. to ___ ft.

(11) LOCATION OF WELL:
County Wash Driller's well number 181
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner ___

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 470 ft. Depth of completed well 470 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	8	
Brown Clay	8	26	
Brown Shale	26	58	
Gray Broken Basalt	58	132	
Red Porous Basalt	132	136	
Gray Broken Basalt	136	228	
Hard Gray Basalt	228	243	
Gray Broken Basalt	243	284	
Gray Basalt & Clay Seams	284	314	
Yellow Brown Porous Basalt	314	324	
Hard Gray Basalt	324	398	
Gray Broken Basalt	398	410	
Hard Gray Basalt	410	422	
Yellow Porous Basalt (water)	422	442	314
Hard Gray Basalt	442	470	

Work started 6-19 1970 Completed 6-22 1970
Date well drilling machine moved off of well 6-23 1970

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borchers Date 6-23, 1970
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Ray Borchers - Well Drilling
(Person, firm or corporation) (Type or print)
Address RT 3 Box 271A Sherwood Ore
[Signed] Raymond A. Borchers
(Water Well Contractor)
Contractor's License No. 404 Date 6-23, 1970

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 013421

RECEIVED
MAY 6 1975
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2S/3W-10dc
State Permit No.

(1) OWNER:
Name Fred Engstrom
Address 5600 SW 152 Beaverton, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
" Diam. from 0 ft. to 60 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 60 gal./min. with 186 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52 Depth artesian flow encountered ft.

CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 60 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 438
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 394 ft.
Static level 174 ft. below land surface. Date 4-18-75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 410 ft. Depth of completed well 410 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	9	
Brown Clay	9	27	
Brown Shale	27	54	
Medium Hard Gray Basalt	54	132	
Hard Gray Basalt	132	226	
Brown + Gray Basalt	226	286	
Hard Gray Basalt	286	324	
Brown + Gray Basalt	324	330	
Hard Gray Basalt	330	350	
Gray Porous Basalt	350	362	
Hard Gray Basalt	362	394	
Brown, Yellow Basalt Water	394	402	174
Hard Gray Basalt	402	410	

Work started 4-15 19 75 Completed 4-18 19 75
Date well drilling machine moved off of well 4-18 19 75

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borchers (Drilling Machine Operator) Date 4-19 19 75
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3 Box 271A Sherwood, Ore.
[Signed] Raymond A Borchers (Water Well Contractor)
Contractor's License No. 404 Date 4-19 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*49038-110

LMW

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

013422

RECEIVED
DEC 8 1976
WATER RESOURCES DEPT.

State Well No. 2S/3W-10 1
State Permit No.

(1) OWNER:
Name Vincent Sherman
Address 4504 Peacock Ave
Alexandria, Va. 22304

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 60 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? OPen Tex
Yield: 18 gal./min. with 208 ft. drawdown after 2 hrs.
AIR LIFT " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 60 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County WASH Driller's well number 532
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 398 ft.
Static level 197 ft. below land surface. Date 9-25-76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 425 ft. Depth of completed well 425 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Brown Soil	0	2	
Brown Clay	2	27	
Medium Hard Gray Basalt	27	54	
Harder Gray Basalt	54	132	
Medium Hard Basalt	132	226	
Brown & Gray Basalt	226	234	
Hard Gray Basalt	234	243	
Gray Porous Basalt	243	284	
Hard Gray Basalt	284	316	
Softer Gray Basalt	316	328	
Hard Gray Basalt	328	398	
Gray Porous Basalt (water)	398	416	197
Hard Gray Basalt	416	425	

Work started 9-24 19 76 Completed 9-25 19 76
Date well drilling machine moved off of well 9-25 19 76

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond R Borchers (Drilling Machine Operator) Date 9-25, 19 76
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name RAY Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3 Box 274A Sherwood Ore.
[Signed] Raymond R Borchers (Water Well Contractor)
Contractor's License No. 404 Date 9-25, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*48656-119

WATER WELL REPORT
STATE OF OREGON

WASH 013423

RECEIVED
OCT 19 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10 d.c

State Permit No.

(1) OWNER:
Name Jim Tinney
Address 7045 SW 62nd Place
City Portland State Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Threaded ☐ Plastic ☐ Welded ☒
6" Diam. from 0 ft. to 60 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
gal./min. with ft. drawdown after hrs.
Air test 25 gal./min. with drill stem at 460 ft. 2 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement Grout
Well sealed from land surface to 60 ft.
Diameter of well bore to bottom of seal 10 3/4 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 16 sacks
How was cement grout placed? Grout Pump
Was pump installed? No Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Tax Lot # 300 Lot Blk Subdivision
Address at well location: Holly Hill Rd.

(11) WATER LEVEL: Completed well.
Depth at which water was first found 438 ft.
Static level 220 ft. below land surface. Date 10-11-82
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 460 ft. Depth of completed well 460 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	10	
Brown Shale	10	52	
Hard Gray Basalt	52	104	
Gray & Brown Basalt	104	152	
Hard Gray Basalt	152	220	
Gray Porous Basalt	220	244	
Hard Gray Basalt	244	306	
Gray Porous Basalt	306	322	
Hard Gray Basalt	322	438	
Gray Porous Basalt Water	438	454	220
Hard Gray Basalt	454	460	

Work started 10-9 1982 Completed 10-11 1982
Date well drilling machine moved off of well 10-11 1982

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond R. Barton (Drilling Machine Operator) Date 10-11 19 82
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Barton Drilling Inc. (Person, firm or corporation) (Type or print)
Address P.O. Box 278 Sherwood
[Signed] Raymond R. Barton (Water Well Contractor)
Contractor's License No. 404 Date 10-11, 19 82

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*12658-690

WATER WELL REPORT
STATE OF OREGON

WASH 013424

RECEIVED
NOV 16 1981
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 2S/3W-10dc

State Permit No.

(1) OWNER:
Name Phillip Arends
Address 17470 SW Bull Mt. Rd.
City Tigard State Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 71 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
Air test 45 gal./min. with drill stem at 465 ft. 2 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement Grout
Well sealed from land surface to 71 ft.
Diameter of well bore to bottom of seal 10 3/4 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Grout Pump
Was pump installed? No Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 804
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Tax Lot # Lot Blk Subdivision
Address at well location: Holly Hill Rd

(11) WATER LEVEL: Completed well.
Depth at which water was first found 442 - 458 ft.
Static level 294 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 465 ft. Depth of completed well 465 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Brown Clay	2	64	
Medium Hard Gray Basalt	64	134	
Hard Gray Basalt	134	220	
Brown & Gray Basalt	220	242	
Hard Gray Basalt	242	263	
Brown & Gray Basalt	263	274	
Hard Gray Basalt	274	396	
Brown & Gray Basalt	396	414	
Hard Gray Basalt	414	442	
Gray Porous Basalt (water)	442	458	294
Hard Gray Basalt	458	465	

Work started 9-25 19 81 Completed 9-29 19 81
Date well drilling machine moved off of well 9-29 19 81

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond R. Gerlena (Drilling Machine Operator) Date 9-30 19 81
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Bostrom Drilling Inc. (Person, firm or corporation) (Type or print)
Address P.O. Box 2014 Salem Ore.
[Signed] Raymond R Gerlena (Water Well Contractor)
Contractor's License No. 404 Date 9-30 19 81

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*12658-690

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 01B425

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
FEB 14 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-10dc
State Permit No.

(1) OWNER:
Name ERIC MORONEY
Address 302 SE 147TH
PORTLAND ORE.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 99 ft. Gage .250
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type _____ Model No.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? OPERATOR
Yield: 60 gal./min. with 133 ft. drawdown after 2 hrs.
AIR LIFT " " "
" " " "
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
Temperature of water 52° Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:
Well seal—Material used CEMENT GROUT
Well sealed from land surface to 99 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 20 sacks
How was cement grout placed? POURED
Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ depth of strata _____
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:
County WASH Driller's well number 609
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 376-388 ft.
Static level 242 ft. below land surface. Date 12-19-77
Artesian pressure _____ lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 395 ft. Depth of completed well 395 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
BROWN SOIL	0	3	
RED CLAY	3	8	
BROWN SHALE	8	46	
SOFT BASALT CLAY SEMS	46	93	
HARD GRAY BASALT	93	104	
GRAY & BROWN BASALT	104	158	
HARD GRAY BASALT	158	230	
GRAY POROUS BASALT	230	244	
HARD GRAY BASALT	244	306	
GRAY POROUS BASALT	306	320	
HARD GRAY BASALT	320	376	
GRAY POROUS BASALT (WATER)	376	388	242
HARD GRAY BASALT	388	395	

Work started 12-12 19 77 Completed 12-19 19 77
Date well drilling machine moved off of well 12-19 19 77

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borchers Date 12-19, 19 77
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling
(Person, firm or corporation) (Type or print)
Address 1E3 Baxter Sherwood
[Signed] Raymond A Borchers
(Water Well Contractor)
Contractor's License No. 404 Date 12-19, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-110

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WSW

WATER WELL REPORT

STATE OF OREGON

RECEIVED
MAY 6 1975
STATE ENGINEER
SALEM, OREGON

State Well No. 2S/3W-10db
State Permit No.

013426

(Please type or print)
(Do not write above this line)

(1) OWNER:
Name Wayne E. Crinklaw
Address 6204 SW 173rd, Beaverton, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 75 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 15 gal./min. with 93 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 75 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 16 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 437
SW ¼ SE ¼ Section 10 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 386 ft.
Static level 292 ft. below land surface. Date 4-14-75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 405 ft. Depth of completed well 405 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	9	
Brown Clay	9	27	
Brown Shale	27	58	
Medium Hard Gray Basalt	58	134	
Red Porous Basalt	134	138	
Medium Hard Gray Basalt	138	224	
Hard Gray Basalt	224	243	
Gray Basalt + Clay Seams	243	286	
Hard Gray Basalt	286	324	
Gray Basalt + Clay Seams	324	362	
Hard Gray Basalt	362	386	
Yellow Porous Basalt (Water)	386	398	292
Hard Gray Basalt	398	405	

Work started 4-12 19 75 Completed 4-14 19 75
Date well drilling machine moved off of well 4-14 19 75

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borchers Date 4-15, 19 75
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling
(Person, firm or corporation) (Type or print)
Address RT 3, Box 271A Sherwood, Ore.
[Signed] Raymond A. Borchers
(Water Well Contractor)
Contractor's License No. 464 Date 4-15, 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

WASH 52436

RECEIVED 2 ***

AUG 18 1997

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D.# L08810

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(START CARD) # 102768

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 97-020

Name Paul and Sarah Boly

Address 35575 SW Orchid Hill Lane

City Hillsboro State OR Zip 97123

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 484 ft.

Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	179	bent	0	13	7 sacks
			cement	13	179	48 sacks
6"	179	487				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[X] Other bent poured dry

Backfill placed from _____ ft. to _____ ft. Material _____

Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+2	179	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	-6	486		[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 179

(7) PERFORATIONS/SCREENS:

[X] Perforations Method saw cut

[ ] Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
426	466	1/8x6	72			[ ]	[X]
476	486	1/8x6	20			[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	n/a	480	1 hr.

Temperature of water 55° Depth Artesian Flow Found _____

Was a water analysis done? [ ] Yes By whom _____

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Wash Latitude _____ Longitude _____

Township 2S N or S Range 3W E or W. WM.

Section 10 SE 1/4 SW 1/4

Tax Lot 2000 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) 35575 SW Orchid Hill Lane, Hillsboro, 97123

(10) STATIC WATER LEVEL:

358 ft. below land surface. Date 8-8-97

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 96'

From	To	Estimated Flow Rate	SWL
96	109	less 2 gpm	?
120	125	less 1 gpm	?
383	450	8 gpm	358
471	475	12 gpm	358

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
top soil	0	2	
clay brown occ cobble	2	15	
basalt grey/brn decomp	15	33	
basalt grey medium	33	40	
basalt grey hard	40	58	
basalt grey/brn decomp	58	94	
basalt grey med-hard	94	96	
basalt grey frac decmp	96	109	
basalt grey med-hard	109	120	
basalt grey/brn vesic	120	125	
basalt grey brn decmp	125	169	
basalt grey/green med	169	210	
basalt brn/grey decomp occ clay lense brown	210	235	
basalt grey medium	235	250	
lava red-brown	250	255	
basalt grey med-hard	255	346	
basalt brn soft with claystone tan	346	352	
basalt brown vesic	352	360	

Date started 8-5-97 Completed 8-8-97

(unbonded) Water Well Constructor Certification: (CONT ON PG2)

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

ARROW DRILLING WWC Number _____

Signed (503) 538-4422 Date _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed _____ WWC Number 1483

Date 8-15-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

RECEIVED ***PAGE 2 OF 2***

STATE OF OREGON AUG 18 1997 WELL I.D.# L08810

WATER SUPPLY WELL REPORT WATER RESOURCES DEPT. (START CARD) # 102768
(as required by ORS 537.765) SALEM, OREGON
Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number
Name Paul and Sarah Boly
Address 35575 SW Orchid Hill Lane
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK
☐ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☐ No Depth of Completed Well ____ ft.
Explosives used ☐ Yes ☐ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ____ ft. to ____ ft. Material
Gravel placed from ____ ft. to ____ ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Wash Latitude Longitude
Township 2S N or S Range E or W. WM.
Section 10 SE 1/4 SW 1/4
Tax Lot 2000 Lot Block Subdivision
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
ft. below land surface. Date
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
basalt decomp vesic multi colors	360	383	
basalt grey/brn fract	383	450	358
basalt grey med-hard	450	462	
claystone blk/green/ grey	462	471	
basalt blk vesc	471	475	358
basalt grey hard	475	487	

Date started 8-5-97 Completed 8-8-97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLING WWC Number
Signed (503) 538-4422 Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed John R. Stutz Date 8-15-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Wash
52540 WELL I.D.# L 07095

RECEIVED
SEP 10 1997
WATER RESOURCES DEPT.
SALEM, OREGON

(START CARD) # 83959

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Roberta Wilson
Address 35112 SW Bald Peak Rd
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other _____

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well _____ ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	59	Bentonite	0	53	12
			Cement	53	59	.5
6	59	500				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+14"	59	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	18'	500'		☐	☒	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Cut With Saw
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
460'	500'	1/8x6	30			☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump / Yield gal/min	☐ Bailer / Drawdown	☒ Air / Drill stem at	☐ Flowing Artesian / Time
4½		480	1 1 hr.

Temperature of water 54 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Washington Latitude _____ Longitude _____
Township 2S N or S Range 3W E or W. WM.
Section 10 NW 1/4 NW 1/4
Tax Lot 00105 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 35112 SW Bald Peak Rd Hillsboro OR 97123

(10) STATIC WATER LEVEL:
330 ft. below land surface. Date 8-27-97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 400

From	To	Estimated Flow Rate	SWL
400	450	4½ GPM	

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Brown Clay	0	30	
Gray Clay	30	50	
Basalt Soft	50	500	
Set Pump at 440			
Pump well at 4 GPM			

Date started 8-26-97 Completed 8-27-97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number _____
Signed Gary Vandehey Date 9-5-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WASH 52557

SEP 15 1997
WATER RESOURCES DEPT.
SALEM, OREGON

WELL ID # L16341
(START CARD) # 095360

(1) OWNER: Well Number: 456
Name John Barton
Address 35700 SW Bold Peak Rd
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK:
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 300 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	25	Bentonite	0	25	20
8	25	78	Cement	25	78	5

How was seal placed: Method [ ] A [X] B [ ] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+2	78	1/4	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	5	-45	276	.188	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
[X] Perforations Method Cutting Torch
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
260	276	1/412	30	5"	1/46	[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20		300	1 hr.

Temperature of Water 54 Depth Artesian Flow found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S. Range 3-W E or W. of WM.
Section 10 NW ¼NW ¼
Tax Lot 00600 Lot Block Subdivision
Street Address of Well (or nearest address)
35700 SW Bold Peak Rd Hillsboro, Or

(10) STATIC WATER LEVEL:
156 ft. below land surface. Date 8/15/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 165

From	To	Estimated Flow Rate	SWL
160	165	3	156
210	280	12	156

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Clay Brown	0	10	
Sandstone Brown & Gray	10	35	
Basalt Gray & Brown	35	75	
Basalt Gray	75	90	
Basalt Gray & Brown	90	110	
Basalt Gray	110	130	
Basalt Gray & Brown	130	160	
Basalt Brown & Clay Brown	160	165	156
Basalt Gray & Brown	165	185	
Basalt Gray,Green, Yellow	185	210	
Basalt Gray, Brown, Frac/Broken	210	245	156
Basalt Gray, Brown,Frac Layers	245	290	156
Basalt Gray Hard	290	300	

Date started 8/14/97 Completed 8/14/97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed [signature] WWC Number 1622
Date 9/2/97

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed [signature] WWC Number 663
Date 9/2/97

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wash 5263

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL I.D.# L18238 (START CARD) 106264

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number:
Name CLIFF FAHEY
Address 36440 BALD PEAK RD.
City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 725 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	240	Cem/Bent	0	60	9 SKS+GEL
			Cem/Bent	190	240	8 SKS+GEL
6¼"	240	700				
6"	700	725				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from 60 ft. to 190 ft. Size of gravel pea gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	254	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4½"	0	725	.160	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
[X] Perforations Method DRILLED
[ ] Screens Type Material PVC 160

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
645	725		160	3/8		[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
10		700 & 725	1 hr.
8-10		600	2 hrs.

Temperature of water 53°F Depth Artesian Flow Found
Was a water analysis done? [X] Yes By whom AMT
Did any strata contain water not suitable for intended use? [X] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata: 60-90 & 160-170

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 10 SW 1/4 SW 1/4
Tax Lot 501 Lot Block Subdivision
Street Address of Well (or nearest address) 36440 BALD PEAK RD.
HILLSBORO, OR

(10) STATIC WATER LEVEL:
251 ft. below land surface. Date 09/23/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	90	2-3	45
160	170	2-3	45
655	700	10	251

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Red-brown clay, sticky	0	25	
Brown rotten rock & clay	25	60	
Brown basalt, weath., broken	60	80	45
Brown basalt, dirty, occ. weath.	80	90	45
Gray-brown & gray-black basalt occ. broken	90	160	
Black basalt & lava, broken	160	170	45
Gray clay/claystone	170	175	
Brown claystone, occ. soft	175	200	
Gray & gray-brown siltstone, occ. claystone, occ. hard, occ. fractures	200	630	
Gray-brown siltstone/sandstone w/fractures	630	725	251

Date started 09/10/97 Completed 09/23/97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 09/30/97

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WASH
55738

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # L N/A
START CARD # 127749

(1) OWNER:
Well Number: 99-047
Name: Mark and Julie Holderith
Address: 35855 SW Orchadia
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/
☒New Well ☐Deepening ☐Alteration recondition) ☒Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 0
Explosives Used ☐Yes ☒No Type ____ Amount

HOLE Diameter	From	To	Material	SEAL From	To	sacks or pounds
10"	0	9	clay soil	0	3	
6"	9	704	bent chp	4	9	5 bags
			neet cem	9	704	68 bags
			5% bent			

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from ____ to ____ Material ____
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER: N/A

CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

N/A				☐	☐	☐	☐
				☐	☐	☐	☐

Final location of Shoe(s):

(7) PERFORATIONS/SCREENS: N/A
☐ Perforations Method:
☐ Screen Type: ____ Material: ____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found
Was a water analysis done? ____ By whom:
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata:____

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 10 SW ¼ SW ¼
Tax Lot: 900 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) 35855 SW Orchadia Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
N/A Ft. below land surface Date
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 97

From	To	Est. Flow Rate	SWL
97	140	1 gpm	?
421	445	1.5 gpm	?

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
Mulch fill	0	1	
top soil	1	2	
clay reddish brwn	2	9	
clay light brwn	9	12	
clay reddish brwn	12	38	
clay brwn	38	73	
rock decomp w/clay brwn	73	97	
basalt decomp gray/brwn fract	97	140	
basalt gray hrd w/occ fract	140	236	
basalt gray/brwn fract	236	324	
basalt gray fract	324	334	
claystone blue/gray	334	341	
sand coarse(silica) innerbedded in basalt	341	350	
basalt gray vesic	350	378	
basalt gray hrd fract	378	421	
basalt gray vesic	421	445	
claystone green/gray	445	456	
siltstone brwn	456	560	
sandstone brwn hrd w/occ siltstone lense	560	625	
claystone greenish/gray w/occ fract	625	704	

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WATER RESOURCES DEPT.
SALEM, OREGON

Date Started: 10-6-99 Completed: 10-11-99

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLLING WWC Number ____
Signed ____ (503)538-4472 Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed ____ WWC Number 1483
Date 11-23-99

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WASH 53567

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SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 07095
START CARD # 114022

(1) OWNER: Well Number
Name MRS. ROBERTA WILSON
Address 35112 SW BALD PEAK RD.
City HILLSBORO State OR. Zip 97123

(2) TYPE OF WORK
☐ New Well ☒ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 734 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
			Seal Not Disturbed			
6"	500	803	See 12			

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	+2	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4½"	+2	734	200 PST	☐	☒	☒	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method DRILLED
☐ Screens Type Material PVC 200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
494	734		480	½"	Pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
18		580'	2 hrs

Temperature of water 54 °F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMJ
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASH. Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 10 NW 1/4 NW 1/4
Tax Lot 00105 Lot Block Subdivision
Street Address of Well (or nearest address) ROBERTA WILSON
35112 SW BALD PEAK RD., HILLSBORO OR. 97123

(10) STATIC WATER LEVEL:
280' ft. below land surface. Date 05/15/98
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found

From	To	Estimated Flow Rate	SWL
573	730	18 GPM	280

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Deepened exisiting 6"	0	500	
well, seal undisturbed,			
4" liner pulled.			
Gray & gray-black basalt	500	573	
Hard gray basalt	573	581	
Gray & gray-brown clay-			
stone w/sand claystone			
streaks	581	803	280'
Set 4½" liner			
Liner hung on 6" casing	+2	734'	

Date started 05/11/98 Completed 05/15/98

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number 1492
Signed Mel. Bigby Date 05/19/98

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1266
Signed Date 05/19/98

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WATER RESOURCES DEPT.
SALEM, OREGON

WASH 55354

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # 121825
START CARD # 127460

(1) OWNER: Well Number: 99-442

Name: Donald and Janie Mackie
Address: 35866 SW Bald Peak Road
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK: (repair/recondition)
☒ New Well ☐ Deepening ☐ Alteration ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other:

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No
Depth of Completed Well 280
Explosives Used ☐ Yes ☒ No Type ____ Amount

HOLE Diameter	From	To	SEAL Material	From	To	sacks or pounds
10"	0	96	bent chips	0	15	9 bags
			cement	15	96	24 bags
6"	96	304				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bent poured - probed
Backfill placed from ____ to ____ Material ____
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER:

CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+18"	96'	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4"	-5	280	160#	☐	☒	☒	☐
				☐	☐	☐	☐

Final location of Shoe(s): 96'

(7) PERFORATIONS/SCREENS:
☒ Perforations Method: saw cut
☐ Screen Type: ____ Material: ____

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
220	260	1/8x7	72	4"	pipe	☐	☒
270	280	1/8x7	16	4"	pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
25	N/A	260	1 hr.

Temperature of water 54 Depth Artesian Flow Found
Was a water analysis done? no By whom:
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata:____

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 10 NW ¼ NW ¼
Tax Lot: 100 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
125 Ft. below land surface Date 10-5-99
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 160

From	To	Est. Flow Rate	SWL
160	280	25 gpm	125

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
top soil	0	1	
clay brwn	1	12	
clay reddish brwn	12	15	
clay brwn	15	32	
rock brwn decomp/wthd	32	45	
rock gray/brwn decomp wthd	45	54	
basalt gray med slightly decomp	54	71	
basalt gray-brwn bkn	71	79	
basalt gray med slightly decomp	79	88	
basalt gray hrd	88	98	
basalt gray med slightly decomp w/occ fractures	98	137	
basalt gray decomp	137	145	
basalt gray med slightly decomp	145	160	
basalt brwn decomp vesic	160	170	
basalt gray med	170	181	
basalt gray/brwn vesic	181	190	
basalt gray med	190	215	
basalt gray med fract	215	281	
clay gray/brwn sticky	281	304	
borehole backfilled with clean 3/4 rock	280	304	

Date Started: 10/4/99 Completed: 10/5/99

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLING WWC Number ____
Signed (503)538-4422 Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed John R. Stott WWC Number 1483
Date 10/6/99

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Exhibit D
Page177 of 228

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WATER RESOURCES DEPT.
SALEM, OREGON

WASH 55354

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # [illegible]
START CARD # 127460

(1) OWNER:
Well Number: 99-01E
Name: Donald and Janie Mackie
Address: 35866 SW Bald Peak Road
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK:
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other:

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No
Depth of Completed Well 280
Explosives Used ☐ Yes ☒ No Type ____ Amount

HOLE Diameter	From	To	SEAL Material	From	To	sacks or pounds
10"	0	96	bent chips	0	15	9 bags
			cement	15	96	24 bags
6"	96	304				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bent poured - probed
Backfill placed from ____ to ____ Material ____
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+18"	96'	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4"	-5	280	160#	☐	☒	☒	☐
				☐	☐	☐	☐

Final location of Shoe(s): 96'

(7) PERFORATIONS/SCREENS:
☒ Perforations Method: saw cut
☐ Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	Tele/pipe size	Casing	Liner
220	260	1/8x7	72	4"	pipe	☐	☒
270	280	1/8x7	16	4"	pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
25	N/A	260	1 hr.

Temperature of water 54 Depth Artesian Flow Found
Was a water analysis done? no By whom:
Did any strata contain water not suitable for intended use? (explain)
Depth of Strata:

(9) LOCATION OF WELL by legal description:
County: Wash Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 10 NW ¼ NW ¼
Tax Lot: 100 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:
125 Ft. below land surface Date 10-5-99
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 160

From	To	Est. Flow Rate	SWL
160	280	25 gpm	125

(12) WELL LOG: Ground Elevation:

Material	From	To	SWL
top soil	0	1	
clay brwn	1	12	
clay reddish brwn	12	15	
clay brwn	15	32	
rock brwn decomp/wthd	32	45	
rock gray/brwn decomp wthd	45	54	
basalt gray med slightly decomp	54	71	
basalt gray-brwn bkn	71	79	
basalt gray med slightly decomp	79	88	
basalt gray hrd	88	98	
basalt gray med slightly decomp w/occ fractures	98	137	
basalt gray decomp	137	145	
basalt gray med slightly decomp	145	160	
basalt brwn decomp vesic	160	170	
basalt gray med	170	181	
basalt gray/brwn vesic	181	190	
basalt gray med	190	215	
basalt gray med fract	215	281	
clay gray/brwn sticky	281	304	
borehole backfilled with clean 3/4 rock	280	304	

Date Started: 10/4/99 Completed: 10/5/99

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
ARROW DRILLLING WWC Number ____
Signed (503)538-4472 Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed [signature] WWC Number 1483
Date 10/6/99

ORIGINAL & FIRST COPY - Water Resources Department SECOND COPY - Constructor THIRD COPY - Customer

WASH 57729

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 52386
START CARD # 142851

(1) LAND OWNER
Name AUDREY SIMMONS Well Number
Address 35165 SW CLOUDREST LN
City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK
☐ New Well ☒ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 550 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
5½"	470	550	SEAL NOT DISTURBED			

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30		550	1 hr.
20		526	"
15		466	"

Temperature of water 52°F Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W WM.
Section 10D SW 1/4 SE 1/4
Tax Lot 700 Lot Block Subdivision
Street Address of Well (or nearest address) 35165 SW CLOUDREST LN

(10) STATIC WATER LEVEL:
336 ft. below land surface. Date 09/21/01
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 2/519

From	To	Estimated Flow Rate	SWL
519	530	15 gpm	336
530	540	15 gpm	336

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Existing well(tight@442-470)	0	470	336
DEEPENING:			
Black basalt	470	480	336
Brown-black basalt	480	519	"
Gray-black basalt,frac.	519	530	"
Gray basalt	530	540	"
Soft gray clay	540	550	336

RECEIVED
SEP 26 2001
WATER RESOURCES DEPT.
SALEM, OREGON

Date started 09/19/01 Completed 09/20/01

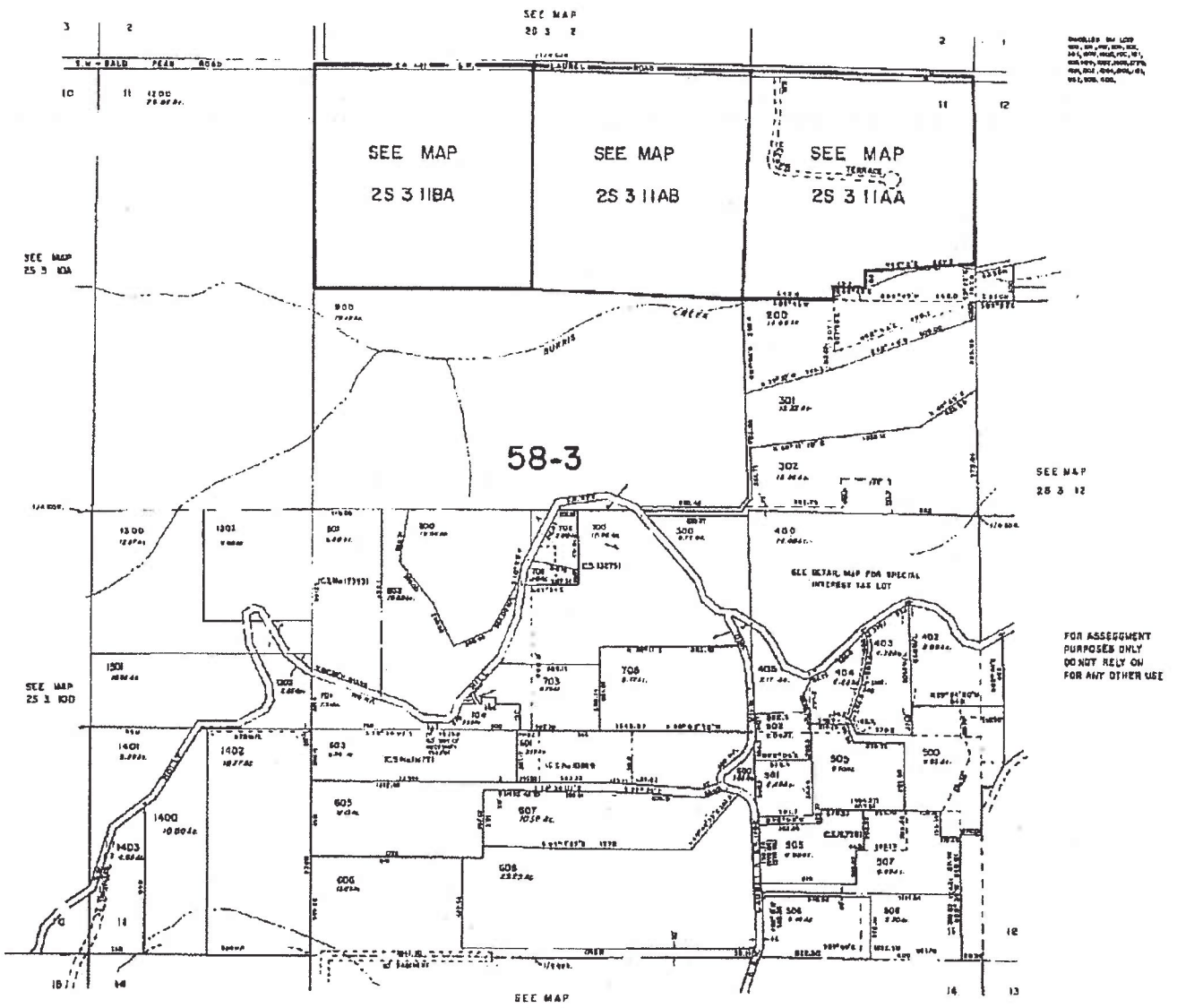
(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number 1749
Signed Date 09/20/01

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 09/21/01

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

SECTION 11 T2S R3W W.M.
WASHINGTON COUNTY OREGON
SCALE 1"=400'

2S 3 11



2S 3 11

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON

(Please type or print)
(Do not write above this line)

RECEIVED
OCT 13 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2s/3w-11
State Permit No.

(1) OWNER:
Name Mark Kazazean
Address 6490 S.W. 203rd
Hillsboro, Ore. 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 1½ ft. to 69 ft. Gage ¼
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 16 GPM from 205' after 1 hr.
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 56 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 67½ ft.
Diameter of well bore to bottom of seal 9 1/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 139
¼ ¼ Section 11 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 75 175 ft.
Static level 135 ft. below land surface. Date 9/26/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 205 ft. Depth of completed well 205 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	1	
Soft Brown Clay	1	12	
Reddish Brown Clay	12	50	
Med. Hard Brown Basalt	50	65	
Hard Black "	65	80	
" " & Brown Basalt	80	95	
" Gray "	95	120	
" Black & Brown "	120	135	
" Gray "	135	170	
" Green/Black "	170	180	
" Gray "	180	205	

Work started 9/26/78 19 Completed 9/26/78 19
Date well drilling machine moved off of well 9/26/78 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Donald N. Adams (Drilling Machine Operator) Date 10/10, 1978
Drilling Machine Operator's License No. 1081

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] Donald N. Adams (Water Well Contractor)
Contractor's License No. 645 Date 10/10, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45058-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT

RECEIVED
DEC 4 1974
STATE ENGINEER
SALEM, OREGON

STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2S/3W-11
State Permit No.

(1) OWNER:
Name MR DONALD BEGLEY
Address RT 2 BOX 130 A
HILLSBORO, ORE

(2) TYPE OF WORK (check):
New Well ☐ Deepening ☒ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☐
____" Diam. from ____ ft. to ____ ft. Gage ____
____" Diam. from ____ ft. to ____ ft. Gage ____
____" Diam. from ____ ft. to ____ ft. Gage ____

(6) PERFORATIONS: Perforated? ☐ Yes ☐ No.
Type of perforator used
Size of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

(7) SCREENS: Well screen installed? ☐ Yes ☐ No
Manufacturer's Name
Type ____ Model No.
Diam. ____ Slot size ____ Set from ____ ft. to ____ ft.
Diam. ____ Slot size ____ Set from ____ ft. to ____ ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.
Air lifted 12 GPM from 460'
After 1 hr " " "
Bailer test ____ gal./min. with 65 ft. drawdown after 1 hrs.
Artesian flow ____ g.p.m.
Temperature of water ____ Depth artesian flow encountered ____ ft.

(9) CONSTRUCTION:
Well seal—Material used
Well sealed from land surface to ____ ft.
Diameter of well bore to bottom of seal ____ in.
Diameter of well bore below seal ____ in.
Number of sacks of cement used in well seal ____ sacks
Number of sacks of bentonite used in well seal ____ sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water ____ lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs ____ Size: location ____ ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? ____ depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ____ ft. to ____ ft.

(10) LOCATION OF WELL:
County WASH. Driller's well number
¼ ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 435 ft.
Static level 395 ft. below land surface. Date
Artesian pressure ____ lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 460 ft. Depth of completed well 460 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
GRAY BASALT	201	245	
BLACK & BROWN Rock	245	290	
GRAY BASALT	290	322	
BLACK & BROWN Rock	322	357	
GRAY BASALT	357	400	
LOST CIRCULATION	400		
CEMENTED – 70 SKS			
BLACK & BROWN Rock	400	425	
BLACK PORUS Rock	425	455	
BLACK Rock	455	460	395

Work started 11-6 1974 Completed 11-12 1974
Date well drilling machine moved off of well 11-13 1974

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] B. D. Jack (Drilling Machine Operator) Date 11/16, 1974
Drilling Machine Operator's License No. 513

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling Inc (Person, firm or corporation) (Type or print)
Address 729 N Main Newberg
[Signed] Harlan M Huffman (Water Well Contractor)
Contractor's License No. 117 Date 11/20, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45856-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
MAR 10 1978
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-11C
State Permit No.

(1) OWNER:
Name Barry Bolewicz
Address 7360 S.W. Canyon Lane
Portland, Ore. 97225

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from +2 ft. to 36 ft. Gage 4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Lifted 10 GPM-from 285' after 1½ hrs.
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 36 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 103
¼ SW ¼ Section 11 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 205 ft.
Static level 125' ft. below land surface. Date 2/27/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 285 ft. Depth of completed well 285 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	16	
Soft Brown Rock	16	25	
Med. Hard Brown Rock	25	30	
Hard Black & Brown Basalt	30	45	
" Brown Basalt	45	75	
" Gray "	75	95	
" Black "	95	120	
" Brown "	120	145	
" Black "	145	155	
" Gray "	155	175	
" Brown "	175	185	
" Black "	185	205	
Greenish-Black Basalt	205	210	
Hard Gray Basalt	210	265	
Hard Brown Basalt	265	285	

Work started 2/23/78 19 Completed 2/24/78 19
Date well drilling machine moved off of well 2/27/78 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 3/8, 19 78
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 829 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 3/8, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45858-119

Case File 06-389-PA
Exhibit D
Page 183 of 228

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WAS IT 1438

RECEIVED Amended Copy
MAR 24 1989
WATER RESOURCES DEPT
SALEM, OREGON

(START CARD) # 8072

(1) OWNER:
Well Number: 580
Name Lloyd Olson
Address Rt. 1, Box 948
City Beaverton State OR Zip 97005

(2) TYPE OF WORK:
[X] New Well [ ] Deepen [ ] Recondition [ ] Abandon

(3) DRILL METHOD
[X] Rotary Air [ ] Rotary Mud [ ] Cable
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes [ ] No [X] Depth of Completed Well 145' ft.
Explosives used Yes [ ] No [X] Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	59'	Cement	0'	58'	13 sacks
6"	59'	145'				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	59'	.025	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	-2'	145'	160#	[ ]	[X]	Glued	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 59'

(7) PERFORATIONS/SCREENS:
[X] Perforations Method Grinding Wheel
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
325'	335'	1/8x10"	9			[ ]	[X]
						[ ]	[ ]
355'	385'	1/8x10"	27			[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
16 GPM		385'	1 hr.

Temperature of water 50° Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S, Range 3-W E or W, WM.
Section 11 ¼ ¼
Tax Lot 8072 Lot Block Subdivision
Street Address of Well (or nearest address) Rt. 2, Box 949, Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
55' ft. below land surface. Date 3/3/89
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 70'

From	To	Estimated Flow Rate	SWL
70'	100'	6 GPM	n/a
110'	120'	10 GPM	55'

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Top Soil	0	2	
Brown Clay	2	16	
Soft Decomp. Brown Rock	16	50	
Hard Gray Basalt	50	70	
Med. Hard Gray/Brown Broken Bas	70	100	
Hard Gray Basalt	100	110	
Hard Gray/Brown Basalt	110	120	
Hard Gray Basalt	120	145	55'

Date started 3/2/89 Completed 3/3/89

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 845
Signed Date 3/20/89

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9500C 5/88

18

Wash 1792

2s/3w/11da

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

RECEIVED
DEC 23 1992
WATER RESOURCES DEPT
SALEM, OREGON

(START CARD) # 49744

(1) OWNER: Well Number
Name GREG DUNLAP
Address 2521 19TH AVENUE
City FOREST GROVE State OR Zip 97116

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 488 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	70	Cem/gel	0	70	24 sks.
6-3/4	70	288				
6	288	488				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	70	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	-6	488	PVC200	☐	☒	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method DRILLED
☐ Screens Type Material PVC 200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
468	488		40	1/2"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30		480	1 hr.

Temperature of Water 52° F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMT
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W WM.
Section 11 NE ¼ SE ¼
Tax Lot 00405 Lot Block Subdivision
Street Address of Well (or nearest address) NONE (HOLLY HILL & LAURELVIEW RD. FOREST GROVE, OR)

(10) STATIC WATER LEVEL:
301 ft. below land surface. Date 12/19/92
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 470

From	To	Estimated Flow Rate	SWL
470	488	30 gpm	301

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Topsoil	0	1	
Red-brown clay	1	27	
Decomp brown basalt	27	51	
Firm decomp gray-brown basalt	51	58	
Hard gray basalt	58	131	
Soft red-brown basalt	131	141	
Firm gray-brown basalt	141	164	
Hard gray basalt	164	253	
Firm gray-[redacted] black basalt	253	280	
Hard gray basalt	280	306	
Soft brown basalt	306	319	
Firm gray-black basalt	319	342	
Hard gray basalt	342	407	
Soft gray-black basalt	407	410	
Soft brown basalt	410	419	
Firm gray-brown basalt	419	450	
Broken gray-brown basalt	450	458	
Soft red-black basalt	458	465	
Soft brown-black basalt	465	470	
Visicular gray-brown basalt	470	488	301

Date started 12/07/92 Completed 12/15/92

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266
Signed Date 12/21/92

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Case File 06-389-PA
Exhibit D
Page185 of 228

18 S/3W/11da

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

was 3059

RECEIVED
APR -7 1993
WATER RESOURCES DEPT.
SALEM, OR

(START CARD) # 52622

(1) OWNER: Well Number
Name BURT PATTEE, MD
Address 32705 SW LAUREL VIEW RD
City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK:
☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 590 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
5-3/4	465	590	(SEAL NOT DISTRUBED)			

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	20	590	PVC200	☐	☒	☒	☐
					☐	☐	☐	☐

Final location of shoe(s) 4" FPT @ 20', 4x7 Trap @ 290'

(7) PERFORATIONS/SCREENS:
☒ Perforations Method DRILLED
☐ Screens Type Material PVC200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
550	590		120	3/8		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60-75		590	1 hr.
45		360	"
36		220	"

Temperature of Water 52°F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMT
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W WM
Section 11 NE ¼ SE ¼
Tax Lot 503 Lot Block Subdivision
Street Address of Well (or nearest address) 32705 SW LAUREL VIEW HILLSBORO, OR 97123

(10) STATIC WATER LEVEL:
108 ft. below land surface. Date 04/03/93
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 465/555

From	To	Estimated Flow Rate	SWL
0	465	10-12 gpm	108
555	585	60-75 gpm	"

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Existing 6" well, open hole	0	465	?
(hole tight, lower hole crooked)			
Gray-black basalt, hard, creviced	465	555	
occ. fracture occ. broken zones			
Black&gray-black basalt, broken	555	570	108
Brown basalt, broken	570	580	"
Gray-brown basalt, broken strks	580	588	108
Gray&gray-black basalt, hard	588	590	

Date started 03/31/93 Completed 04/03/93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 573
Signed Date 04/05/93

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WASH 3348

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

RECEIVED
AUG 19 1993
WATER RESOURCES DEPT.
SALEM, OREGON

(START CARD) # 52615

4S/3W/11dk

(1) OWNER: Well Number

Name RON RAND
Address 19450 SW TILE FLAT RD
City BEAVERTON State OR Zip 97007

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 460 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12	0	78	Cement	0	78	42 sks+gel
10	78	262	Cement	78	[illegible]	—
					262	25 sks+gel
8	262	460				

How was seal placed: Method ☐ A ☒ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1	262	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
75-90		390	1 hr.
22		325	2 hr.

Temperature of Water 54 °F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMI
Did any strata contain water not suitable for intended use? ☒ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☒ Other ~~UPPER ZONE~~
Depth of strata: 59-73 & 96-193

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S. Range 3W E or W. WM
Section 11 NW ¼ SE ¼
Tax Lot 700 Lot Block Subdivision
Street Address of Well (or nearest address) HOLLY HILL RD.
HILLSBORO, OR

(10) STATIC WATER LEVEL:
265 ft. below land surface. Date 08/09/93
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 286

From	To	Estimated Flow Rate	SWL
286	455	90+ gpm	265

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Topsoil & brown clay	0	4	
Red-brown clay, sticky	4	21	
Brown rotten rock	21	59	
Gray-brown basalt, weathered	59	73	(w.b.)
gray basalt, hard	73	96	
Gray-brown,gray-black basalt,	96		
occ.brown basalt,occ broken		193	(w.b.)
Gray basalt, hard	193	238	
Void ??	238	252	
Gray-black basalt, firm	252	285	
Black basalt, broken,frac.zone	285	286	
Brown & gray-brown basalt,occ	286	455	265
gray-black, occ.broken strks.			
Gray-black basalt, hard	455	460	

Date started 07/26/93 Completed 08/09/93

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed WWC Number 1610
Date 08/13/93

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed WWC Number 573
Date 08/13/93

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18 WASH 4151

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OCT - 6 1994
WATER RESOURCES DEPT.
SALEM, OREGON

4S/5W/11aa

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 67244

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 867-94

Name Alan & Elizabeth Meeker
Address 14100 SW Meeker Terrace
City Hillsboro State OR Zip 97123

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 365 ft.
Explosives used [ ] Yes [X] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0'	84'	Cement & Bentonite	0'	84'	23 Sacks
6"	84'	365'				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ____ ft. to ____ ft. Material
Gravel placed from ____ ft. to ____ ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	84'	.25	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 84'

(7) PERFORATIONS/SCREENS:

[X] Perforations Method
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
9 GPM		300'	1 hr.

Temperature of water 63° Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude Longitude
Township 2-S N or S Range 3-W E or W. WM.
Section 11 AA 1/4 1/4
Tax Lot 100 Lot 2 Block Subdivision
Street Address of Well (or nearest address) End of Meeker Terrace, Hillsboro, OR 97123

(10) STATIC WATER LEVEL:

300' ft. below land surface. Date 9/9/94
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Top Soil	0	2	
H Red/Brown Clay	2	20	
Soft Decomp. Brown Rock & Clay	20	40	
MH Decomp. Brown Basalt	40	70	
H Gray Basalt	70	75	
MH Brown Basalt	75	83	
H Gray Basalt	83	90	
H Black Basalt	90	95	
H Black/Brown Basalt	95	110	
H Gray Basalt	110	135	
H Brown/Gray Basalt	135	145	
H Gray Basalt	145	255	
H Black Basalt	255	270	
H Gray/Brown Basalt	270	275	
Hard Gray Basalt	275	365	300

Date started 9/7/94 Completed 9/9/94

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 645
Signed Date 10/4/94

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18 WASH 7225

2S/3W/11dd

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

(START CARD) # 77620

(1) OWNER: Well Number 1
Name Frank Contino
Address 16451 SW Timberland Dr
City Beaverton State Oregon Zip 97007

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 205 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	19	Bentonite	0	19	17
6	19	113	—	—	—	—
8	113	118	Cement	113	118	3
6	118	205	—	—	—	—

How was seal placed: Method [ ] A [X] B [ ] C [ ] D [ ] E
[X] Other Placed in dry & prodded
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+2	118	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4	7	205	160	[ ]	[X]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 118

(7) PERFORATIONS/SCREENS:
[X] Perforations Method Drilled
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
145	205	—	240	½	4	[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
32	116	190	1 hr.

Temperature of water 54 Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 11 SE 1/4 SE 1/4
Tax Lot 508 Lot Block Subdivision
Street Address of Well (or nearest address) 32673 Laurel View Rd.

(10) STATIC WATER LEVEL:
74 ft. below land surface. Date 6-5-95
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 75

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Brown Clay	1	75	
Gray Clay	75	103	74
Brown Clay	103	108	
Basalt	108	205	74

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JUN - 8 1995
WATER RESOURCES DEPT.
SALEM, OREGON

Date started 3 June 95 Completed 5 June 95

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1221
Signed Jonny C Eby Date 6-5-95

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MAR 18 1987
WATER RESOURCES DEPT
SALEM, OREGON

WNSH
01342?

2S/3W-11d6

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(1) OWNER:
Name Lloyd Olson
Address Rt. 1, Box 948
City Beaverton State OR Zip 97005

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 345 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0'	64'	Cement	0'	64'	13 sacks

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'	66'	.025	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	0'	345'		☐	☒	Glued	☐
					☐	☐	☐	☐

Perforated location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Grinding Wheel
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
285'	315'	10x⅛	27			☐	☒
						☐	☐
335'	345'	10x⅛	9			☐	☒
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
12		345'	1 hr.

Temperature of water 54° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2-S N or S, Range 3-W E or W, WM.
Section 11 NW ¼ SE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) Holly Hill Rd.

(10) STATIC WATER LEVEL:
260 ft. below land surface. Date 3/6/87
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 245'

From	To	Estimated Flow Rate	SWL
0'	245'	2 GPM	
	345'	12 GPM	

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Top Soil	0	3	
Reddish-Brown Clay	3	20	
Soft, Decomposed Clay & Rock	20	45	
Med. Hard Brown Basalt	45	50	
Hard Gray Basalt	50	55	
Med. Hard Brown Basalt	55	60	
Hard Gray Basalt	60	100	
Med. Hard Gray Basalt w/ Soapstone	100	115	
Hard Gray Basalt	115	130	
HaRD Broken Blk. & Brwn. Basalt	130	140	
Hard Gray Broken Basalt	140	265	
Med. Hard Gray/Brown Basalt	265	280	
Hard Gray Basalt	280	325	
Hard Black/Brwn. Basalt	325	335	
Hard GRay/Brwn. Basalt w/ Soapstone	335	340	
Hard Gray Basalt	340	345	

Date started 3/4/87 Completed 3/6/87

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 645
Signed Date 3/16/87

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10/86

WASH 013428

RECEIVED
SEP 17 1982
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 2S/3W-11bd

State Permit No.

WATER WELL REPORT
STATE OF OREGON

(1) OWNER:
Name Andrew & Antonia Verdegan
Address Rt. 2, Box 958, Hillsboro
City State Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED: Steel ☒ Threaded ☐ Plastic ☐ Welded ☒
6" Diam. from +1½ ft. to 65 ft. Gauge ¼
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
Air test 14 gal./min. with drill stem at 415 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 56° Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 63 ft.
Diameter of well bore to bottom of seal 9 7/8" in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 17 sacks
How was cement grout placed? Pumped
Was pump installed? NO Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 291
SE ¼ NW ¼ Section 11 T. 2-S R. 3-W W.M.
Tax Lot # Lot Blk Subdivision
Address of well location: Holly Hill Road

(11) WATER LEVEL: Completed well.
Depth at which water was first found 250 390 ft.
Static level 295 ft. below land surface. Date 7/23/82
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 415 ft. Depth of completed well 415 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Hard Top Soil	0	2	
Reddish-Brown Clay	2	40	
Med. Hard Brown Rock & Clay	40	45	
Hard Brown Basalt	45	65	
Hard Gray Basalt	65	145	
Hard Brown Basalt	145	155	
Hard Gray Basalt	155	175	
Hard Black Basalt	175	250	
Hard Gray Basalt	250	310	
Hard Black Basalt	310	340	
Hard Brown Basalt	340	345	
Hard Gray Basalt	345	402	
Hard Blk & Brwn. Basalt	402	412	
Hard Gray Basalt	412	415	
Crevice filled with cement	240'	245'	

Work started 7/19/82 19 Completed 7/23/82 19
Date well drilling machine moved off of well 7/23/82 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 19
Drilling Machine Operator's License No.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, OR 97132
[Signed] (Water Well Contractor)
Contractor's License No. Date 8/30 19 82

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*12658-690

WATER WELL REPORT
STATE OF OREGON

Per WWC #8 - Well test drill stem at 205' 1 hrs. Cow 7/23/82

RECEIVED
JUN 2 1982
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 2S/3W-11d
State Permit No. WASH 013429

(1) OWNER:
Name Steve Curl
Address 445 S.E. 26th
City Hillsboro, OR 97123 State

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
[illegible] ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED: Steel ☒ Plastic ☐ Threaded ☐ Welded ☒
5 " Diam. from +1½ ft. to 94 ft. Gauge ¼
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
4 " Diam. from -1 ft. to 205 ft. Gauge 3/16

(6) PERFORATIONS: Perforated? ☒ Yes ☐ No
Type of perforator used Grinding Wheel
Size of perforations 10 in. by ¼ in.
36 perforations from 105 ft. to 165 ft.
12 perforations from 185 ft. to 205 ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
Air test 20 gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 57° Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 70 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 15 sacks
How was cement grout placed? pumped
Was pump installed? no Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 285
SE ¼ ¼ Section 11 T. 2-S R. 3-W W.M.
Tax Lot # Lot Blk Subdivision
Address at well location:
Laurelview Rd.

(11) WATER LEVEL: Completed well.
Depth at which water was first found 115 ft.
Static level 105 ft. below land surface. Date 5/21/82
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 205 ft. Depth of completed well 205 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	40	
Brown Clay	40	55	
Soft Decomposed Rock	55	85	
Med. Hard Brown Basalt	85	90	
Hard Blk & Brwn. Basalt	90	115	
Med. Hrd. Brown Basalt	115	125	
Hard Blk. & Brwn. Basalt	125	150	
Med. Hard Reddish-Brown Basalt	150	175	
Med. Hard Blk & Brwn. Basalt	175	190	
Hard Gray Basalt	190	205	

Work started 5/20/82 19 Completed 5/21/82 19
Date well drilling machine moved off of well 5/21/82 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] [signature] (Drilling Machine Operator) Date 5/26, 1982
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, OR 97132
[Signed] [signature] (Water Well Contractor)
Contractor's License No. 645 Date 5/26, 1982

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
within 30 days from the date of well completion.

SP*12658-690

Case File 06-389-PA
Exhibit D
Page 192 of 228

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
FEB 18 1981
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT WASW

STATE OF OREGON
(Please type or print)
(Do not write above this line) 013430

State Well No. 2S/3W-11C

State Permit No. _____

(1) OWNER:

Name R. Donald & Christina Siadal

Address 425 N.E. Jackson, Hillsboro, OR 97123

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
[illegible] ☐ Jetted ☐
[illegible] ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from +2 ft. to 80 ft. Gage 1/4
4 " Diam. from 0 ft. to 345 ft. Gage 3/16
[illegible] " Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? ☒ Yes ☐ No.

Type of perforator used Grinding Wheel

Size of perforations 8 in. by 1/4 in.

60 perforations from 245 ft. to 345 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

[illegible] a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airlifted 25 GPM from 345' after 1 hr.

" " " "

[illegible]er test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

Temperature of water 54 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 76 ft.

Diameter of well bore to bottom of seal 9 7/8 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 21 sacks

How was cement grout placed? Pumped

Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Washington Driller's well number 252

¼ SW ¼ Section 11 T. 2-S R. 3-W W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 210 ft.

Static level 150 ft. below land surface. Date 2/5/81

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 345 ft. Depth of completed well 345 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	8	
Red Clay w/ Rock	8	18	
Soft Brown Rock	18	35	
Med. Hard Brown Basalt	35	60	
Med. Hard Blk&Brwn Basalt	60	140	
Hard Blk.&Brwn. Basalt	140	150	
Hard Black Basalt	150	180	
Hard Blk & Brwn Basalt	180	205	
Hard Gray Basalt	205	215	
Hard Brown Basalt	215	230	
Hard Blk & Brwn Basalt	230	240	
Hard Gray Basalt	240	270	
Hard Blk & Brwn Basalt	270	275	
Hard Gray Basalt	275	320	
Hard Brown Basalt	320	345	

Work started 2/3/81 19 Completed 2/5/81 19

Date well drilling machine moved off of well 2/5/81 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] [illegible] Date 2/12, 1981
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Arrow Drilling
(Person, firm or corporation) (Type or print)

Address 729 N. Main, Newberg, OR 97132

[Signed] [illegible]
(Water Well Contractor)

Contractor's License No. 645 Date 2/12, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45658-110

Case File 06-389-PA
Exhibit D
Page193 of 228

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
AUG 15 1980
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

WASW 013431

State Well No. 2S/3W-11dA

State Permit No.

(1) OWNER:
Name Don Roach
Address 3950 S. W. 102nd, Apt. #44
Beaverton, Oregon 97005

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from plus 1 ft. to 83 ft. Gage .250
4 " Diam. from 0 ft. to 280 ft. Gage PVC-160
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used saw cut
Size of perforations 1/4 in. by 12 in.
45 perforations from 215 ft. to 230 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: 27 gal./min. with 130 ft. drawdown after 2 hrs.
" 24 " 105 " " "
" 18 " 80 " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement grout plus 5% gel
Well sealed from land surface to 83 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 11 sacks
How was cement grout placed? Tremmed into dry annular bore.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
NE ¼ SE ¼ Section 11 T. 2 S R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 198 ft.
Static level 100 ft. below land surface. Date 8/12/80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"ø
Depth drilled 230 ft. Depth of completed well 230 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Red-brown clay	0	30	
Red-brown clay w/rotten rock	30	40	
Rotten brown basalt w/clay	40	65	
Weathered brown basalt	65	70	
Brown & gray-brown basalt	70	80	
Hard gray-black basalt-occ. gray-brown	80	160	
Broken brown basalt	160	170	
Black basalt-occ. gray-black	170	195	
Brown basalt	195	198	
Broken black & brown basalt	198	206	10 gpm
Black basalt-occ. broken	206	220	15 gpm
Hard gray-black basalt	220	230	2 gpm

Work started 8/7/80 19 Completed 8/12/80 19
Date well drilling machine moved off of well 8/12/80 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 8/13/80 19
Drilling Machine Operator's License No. 523

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name A. M. JANNSEN WELL DRILLING CO., INC. (Person, firm or corporation) (Type or print)
Address 21075 SW Tualatin Valley Hwy. Aloha, Or.
[Signed] (Water Well Contractor)
Contractor's License No. 678 XH Date 8/13/80 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45036-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
NOV 8 1978
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT WSH

STATE OF OREGON
(Please type or print) (Do not write above this line)

013433

State Well No. 2S/3W-11

State Permit No.

(1) OWNER:

Name Jim Frye
Address Route 1 Box 43K
Hillsboro Oregon 97123

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from 0 ft. to 104 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 24 gal./min. with 110 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used cement
Well sealed from land surface to 102 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? poured

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? Depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Washington Driller's well number
¼ ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 96 ft.
Static level 130 ft. below land surface. Date 10-31
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6
Depth drilled 260 ft. Depth of completed well 260 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown clay	0	6	
Red clay	6	37	
Brown clay	37	94	
Seamy grey rock	94	131	
Seamy Brown rock	131	203	
Seamy grey rock	203	260	

Work started 10-30 19 78 Completed 10-31 19 78
Date well drilling machine moved off of well 10-31 19 78

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] (Drilling Machine Operator) Date 11-6, 19 78
Drilling Machine Operator's License No. 1145

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Turner Drilling Co. Inc (Person, firm or corporation) (Type or print)
Address Rt 1 Box 523 Portland, Ore.
[Signed] (Water Well Contractor)
Contractor's License No. 715 Date 11-6, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45658-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
OCT 18 1978
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line) 013434

WASH

State Well No. 2S/3W-11bc

State Permit No.

(1) OWNER:
Name Bill CLARK
Address 14230 SW AUBREY
HILLSBORO - ORE

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 90 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
Yield: 30 gal./min. with 185 ft. drawdown after 2 hrs.
AIR LIFT " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used CEMENT GROUT
Well sealed from land surface to 90 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 22 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County WASH Driller's well number 652
NW¼ SW¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 288 - 312 ft.
Static level 120 ft. below land surface. Date 8-31-78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 325 ft. Depth of completed well 325 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
BROWN SOIL	0	2	
RED CLAY	2	18	
BROWN STRATA	18	82	
MEDIUM HARD GRAY BASALT	82	96	
HARD GRAY BASALT	96	124	
GRAY BASALT + CLAY SEAMS	124	132	
HARD GRAY BASALT	132	190	
GRAY POROUS BASALT	190	204	
HARD GRAY BASALT	204	238	
GRAY POROUS BASALT	238	256	
HARD GRAY BASALT	256	288	
BROWN POROUS BASALT (WATER)	288	312	120
HARD GRAY BASALT	312	325	

Work started 8-29 19 78 Completed 8-31 19 78
Date well drilling machine moved off of well 8-31 19 78

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Borden (Drilling Machine Operator) Date 8-31, 19 78
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address R.L.3 Box 271A, Sherwood, Ore
[Signed] Raymond A. Borden (Water Well Contractor)
Contractor's License No. 404 Date 8-31, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45050-719

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

RECEIVED
JAN 4 1985
WATER RESOURCES DEPT
SALEM, OREGON

WASW

PLEASE TYPE or PRINT IN INK

013435 (for official use only)

25/3W-11

(1) OWNER:
Name Tim HANSON
Address Rt 2 Box 9416
City Hillsboro State ORE

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☐ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☑ Municipal ☐
Irrigation ☐ Thermal: Withdrawal ☐ Reinjection ☐
Other: Piezometric ☐ Grounding ☐ Test ☐

CASING INSTALLED: Steel Threaded ☐ Plastic Welded ☑
6 " Diam. from +2 ft. to 131 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED: Steel Threaded ☐ Plastic Welded ☐
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☑ No
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☑ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☑ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Air test 35 gal./min. with drill stem at 240 ft. 2 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

CONSTRUCTION: Special standards: Yes ☐ No ☑
Well seal—Material used Cement + 5% Bentonite
Well sealed from land surface to 133 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Amount of sealing material 34 sacks ☒ pounds ☐
How was cement grout placed? pumped

Was pump installed? Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☑ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☑ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:
County Washington ¼ ¼ of Section 11 of
Township 2S (Township is North or South) Range 3W (Range is East or West) WM.
Tax Lot Lot Block Subdivision
MAILING ADDRESS OF WELL (or nearest address) Same as #1

(11) WATER LEVEL of COMPLETED WELL:
Depth at which water was first found 6.5 ft.
Static level 120 ft. below land surface. Date 12-9-84
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 260 ft. Depth of completed well 260 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
BRN CLAY	0	2	
Red clay	2	14	
BRN CLAY	14	49	
DARK BRN CLAY	49	64	
Soft BRN Rock	64	117	
Seamy Rock	117	121	
BRN Porous Rock	121	183	
Med. Grey Rock	183	217	
BRN Porous Rock	217	224	
Med Grey Rock	224	242	
BRN Porous Rock	242	253	
Med Grey Rock	253	260	

Date work started 12-8-84 completed 12-9-84
Date well drilling machine moved off of well 12-9-84 19

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Date 19

(bonded) Water Well Constructor Certification:
Bond 140898 (number) Issued by: ORE Auto Ins Co (Surety Company Name)
On behalf of DON FEARIN (type or print name of Water Well Constructor)
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(Signed) Don Fearin (Water Well Constructor)
(Dated) 12-12-84

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*46800-890

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 013436

WATER WELL REPORT
STATE OF OREGON

(Please type or print)
(Do not write above this line)

RECEIVED
NOV 16 1976
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 2S/3W-11
State Permit No.

(1) OWNER:
Name Gerald Verdegan
Address 3813 23rd Ave, Forest Grove, Ore.

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED: Threaded [ ] Welded [X]
6" Diam. from +2 ft. to 76 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? [ ] Yes [X] No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 6 GPM from 285 after 30 min.
Airlifted 15 GPM From 305' after 30 min.
Airlifted 15 GPM from 345' after 1 hr.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 51 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 74 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 13 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 32
¼ ¼ Section 11 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 210 & 320 ft.
Static level 250 ft. below land surface. Date 11/4/76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 345 ft. Depth of completed well 345 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	3	
Reddish-Brown Clay	3	40	
Soft Brown Rock	40	72	
Hard Gray Basalt	72	105	
Hard Black Basalt	105	125	
Hard Gray Basalt	125	165	
Hard Black & Brown Basalt	165	180	
Hard Black Basalt	180	230	
Hard Gray Basalt	230	245	
Hard Black Basalt	245	260	
Hard Black & Decomposed Brown Basalt	260	270	
Hard Black Basalt	270	310	
Hard Gray Basalt	310	320	
Hard Black & Brown Basalt	320	325	
Hard Black Basalt	325	345	

Work started 11/3/76 19 Completed 11/4/76 19
Date well drilling machine moved off of well 11/4/76 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 11/13, 19 76
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 W. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 11/13, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from date of well completion.

RECEIVED
JUN 14 1971
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013437

State Well No. 2/3W-11cb

State Permit No. _____

(1) OWNER:
Name Theo Rose
Address 363 N EBBerts, Hillsboro

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 95 ft. Gage .250
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? OPERATOR
Yield: 25 gal./min. with 130 ft. drawdown after 2 hrs.
" " " " " "
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
Temperature of water 52° Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:
Well seal—Material used CEMENT GROUT
Well sealed from land surface to 95 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ depth of strata _____
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:
County WASH Driller's well number 231
NW ¼SW ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 232 ft.
Static level 120 ft. below land surface. Date 5-29-71
Artesian pressure _____ lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 250 ft. Depth of completed well 250 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	18	
Brown Shale	18	64	
Medium Hard Gray Basalt	64	88	
Hard Gray Basalt	88	118	
Gray Basalt & Clay Seams	118	128	
Hard Gray Basalt	128	142	
Gray Porous Basalt	142	170	
Hard Gray Basalt	170	192	
Brown & Gray Basalt	192	232	
Brown Porous Basalt Water	232	246	120
Hard Gray Basalt	246	250	

Work started 5-29 19 71 Completed 5-29 19 71
Date well drilling machine moved off of well 5-29 19 71

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borchers (Drilling Machine Operator) Date 5-30, 19 71
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3 Box 2710 Sherwood Ore
[Signed] Raymond A Borchers (Water Well Contractor)
Contractor's License No. 404 Date 5-30, 19 71

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45058-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JAN 12 1979
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

WASH

013438

State Well No. 2S/3W-11P

State Permit No.

(1) OWNER:
Name Matthew Turner
Address 1607 Maple St., Forest Grove, Ore. 97116

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from +1½ ft. to 78 ft. Gage 7
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 7½ GPM from 465' after 1 hr. " " " " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 50 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 76½ ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 155 151
SE¼ ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 165 ft.
Static level 275 ft. below land surface. Date 11/9/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 465 ft. Depth of completed well 465 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	25	
Soft Brown Rock	25	65	
Hard Brown Basalt	65	75	
Hard Gray Basalt	75	90	
Hard Black Basalt	90	100	
Hard Gray Basalt	100	140	
Hard Black & Brown Basalt	140	150	
Med. Hard Brown Basalt	150	155	
Hard Black & Brown Basalt	155	165	
Hard Gray Basalt	165	180	
Hard Black & Brown Basalt	180	190	
Hard Gray Basalt	190	250	
Hard Black Basalt	250	265	
Hard Black & Brown Basalt	265	275	
***See Page 2 ***			

Work started 11/7/78 19 Completed 11/9/78 19
Date well drilling machine moved off of well 11/9/78 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 12/23, 1978
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 615 Date 12/23, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45686-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WASH 13438

Page 2

WATER WELL REPORT

WASH

STATE OF OREGON
(Please type or print)
(Do not write above this line)

013432

State Well No. 2S/3W-11d

State Permit No. .....

(1) OWNER:

Name Matthew Turner
Address 1607 Maple St., Forest Grove, Ore. 97116

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☐
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:

Perforated? ☐ Yes ☐ No.
Type of perforator used
Size of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m.
Temperature of water ..... Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:

Well seal—Material used .....
Well sealed from land surface to ..... ft.
Diameter of well bore to bottom of seal ..... in.
Diameter of well bore below seal ..... in.
Number of sacks of cement used in well seal ..... sacks
How was cement grout placed? .....
Was a drive shoe used? ☐ Yes ☐ No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? ..... depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:

County Washington Driller's well number 151
SE ¼ ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ..... ft.
Static level ..... ft. below land surface. Date
Artesian pressure ..... lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing .....
Depth drilled ..... ft. Depth of completed well ..... ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
*Continued from Page 1 *			
Hard Black Basalt	275	300	
Hard Gray Basalt	300	315	
Hard Black Basalt	315	330	
Hard Gray Basalt	330	415	
Hard Black Basalt	415	425	
Hard Gray Basalt	425	450	
Hard Black Basalt	450	465	

RECEIVED
JAN 12 1979
WATER RESOURCES DEPT.
SALEM, OREGON

Work started 11/7/78 19 Completed 11/9/78 19
Date well drilling machine moved off of well 11/9/78 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] [signature] (Drilling Machine Operator) Date 12/23, 1978

Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] [signature] (Water Well Contractor)
Contractor's License No. 645 Date 12/23, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45558-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH 013439

RECEIVED AUG 2 0 1974 STATE ENGINEER SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2S/3W-11
State Permit No.

(1) OWNER:
Name Fred Beringer
Address R+3 Box 148 Sherwood

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from +1 ft. to 67 ft. Gage 1/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Air lifted 18 GPM from "405 ft after 1 hr. " "
Bailer test gal./min. with 175 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 67 ft.
Diameter of well bore to bottom of seal 10 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 15 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec 11 T2S R3W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 88 ft.
Static level 230 ft. below land surface. Date 7/28
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 405 ft. Depth of completed well 405 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	2	
Red Clay	2	16	
Soft rock	16	60	
Med Brown Basalt	60	108	
Grey "	108	148	
Med Brown "	148	160	
Hard Grey "	160	183	
Med Brown "	183	218	
Hard "	218	302	
Pounds "	302	307	
Grey "	307	365	
Pounds "	365	380	
Grey "	380	380	
Broken Brown "	380	405	

Work started 6/25 1974 Completed 6/27 1974
Date well drilling machine moved off of well 6/27 1974

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Harlan M Huffman (Drilling Machine Operator) Date 7/24, 1974
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling Inc (Person, firm or corporation) (Type or print)
Address 729 N Main Newberg
[Signed] Harlan M Huffman (Water Well Contractor)
Contractor's License No. 117 Date 7/24, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45856-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

013440

RECEIVED
NOV 28 1972
STATE ENGINEER
SALEM, OREGON

State Well No. 2S/3W-11
State Permit No.

(1) OWNER:
Name Leonardus J. Geerling
Address 490 S. W. 139th Beaverton, Oregon 97005

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 90 ft. Gage 1/4 wall
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " "
air " " "
Bailer test 12 gal./min. with 37 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 90 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 5 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 11 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 72 ft.
Static level 98 ft. below land surface. Date 11-19-72
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 335 ft. Depth of completed well 335 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top soil	0	2	
Brown clay	2	15	
Red clay	15	42	
Brown clay	42	57	
Brown sandy clay	57	72	
Brown soft rock	72	84	
Blue med. rock	84	105	
Blue hard rock	105	155	
Brown med. rock	155	185	
Blue hard rock	185	308	
Black lava rock	308	320	
Brown lava rock	320	330	
Blue hard rock	330	335	

Work started 11-17-72 19 Completed 11-19-72 19
Date well drilling machine moved off of well 11-19-72 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Ralph Turner Date 11-25-72 19
(Drilling Machine Operator)
Drilling Machine Operator's License No. 254

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ralph Turner Drilling Co. (Person, firm or corporation) (Type or print)
Address Rte 1 Box 141 Hillsboro, Oregon 97123
[Signed] Ralph Turner
(Water Well Contractor)
Contractor's License No. 247 Date 11-25-72, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45056-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JUN 13 1969
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013441

State Well No. 2/3W-11
State Permit No.

(1) OWNER:
Name Bernard J. Verdegan
Address Rt. 2, Box 128, Hillsboro, Oregon

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 64 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 345 ft. below land surface Date 6/7/69
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Air lift
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: 8 gal./min. with 45 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Cement
Depth of seal 61 ft.
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 11 T. 2 S R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 410 ft. Depth of completed well 410 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Soil	0	8	
Red Clay & fragmented rock	8	22	
Yellow clay & " "	22	53	
Broken rock	53	60	
Hard Rock	60	64	
Hard gray rock	64	85	
Broken gray rock	85	88	
Soft innerbed	88	89	
Broken soft gray rock	89	95	
Soft brown rock	95	100	
Brown rock	100	107	
Gray basalt	107	112	
Brown & gray rock	112	119	
Brown rock	119	123	
Red rock (soft)	123	149	
Brown & gray rock	149	154	
Soft brown rock	154	157	
Brown & red rock	157	166	
Brown & gray rock (gr.spstone	166	171	
Hard gray rock	171	251	
broken gray rock	251	269	
Hard gray rock	269	283	

Work started 5/19/69 19 Completed 6/7/69 19
Date well drilling machine moved off of well 6/8/69 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Willie Nunnenkamp (Drilling Machine Operator) Date June 12 19 69
Drilling Machine Operator's License No. 235

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME A. M. Jannsen Drilling Co. (Person, firm or corporation) (Type or print)
Address 21075 S. W. Tualatin Valley Hwy, Aloha, Oregon
[Signed] Edward M. Jannsen (Water Well Contractor)
Contractor's License No. 79 Date 6/9/69 19

(USE ADDITIONAL SHEETS IF NECESSARY)

VERDEGAN - PAGE 2

...ER WELL CONTRACTOR
...inal and first copy
...this report are to be
...filed with the
STATE ENGINEER, SALEM, OREGON
within 30 days from the date
of well completion

RECEIVED
JUN 13 1969
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Please not write above this line)

State Well No. 2/3W-11

State Permit No. _____

(1) OWNER:
Name

Address

(2) TYPE OF WORK (check):
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☐

_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:
Perforated? ☐ Yes. ☐ No.

Type of perforator used

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☐ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.
Static level _____ ft. below land surface Date _____

...esian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" " " "

" " " "

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used _____

Depth of seal _____ ft.

Diameter of well bore to bottom of seal _____ in.

Were any loose strata cemented off? ☐ Yes ☐ No Depth _____

Was a drive shoe used? ☐ Yes ☐ No

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☐ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:
County Washington Driller's well number

¼ ¼ Section 11dd T. 2 S R. 3 W. W.M.

Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Broken rock	283	301	
Hard gray rock	301	305	
Black & brown rock	305	309	
Soft black rock	309	314	
gray rock	314	325	
Gray rock, hard & soft	325	390	
Gray rock, cracks	390	399	
Soft brown rock, water bring.	399	407	
Broken gray basalt	407	410	

Work started _____ 19 Completed _____ 19

Date well drilling machine moved off of well _____ 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19.....
(Drilling Machine Operator)

Drilling Machine Operator's License No. _____

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME _____
(Person, firm or corporation) (Type or print)

Address _____

[Signed] _____
(Water Well Contractor)

Contractor's License No. _____ Date _____, 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

RECEIVED WASH
MAY 7 1969
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Do not write above this line)

013442
2/3W-11
State Permit No.

(1) OWNER:
Name ROBERT MEEKER
Address Rt. 2 Box 70 Hillsboro ORE.

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

CASING INSTALLED:
Threaded [ ] Welded [X]
6 5/8OD" Diam. from 0 ft. to 77 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? [ ] Yes [X] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 85 ft. below land surface Date 4/18/69
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 12 Bottom gal./min. with ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water 59 Was a chemical analysis made? [ ] Yes [X] No

(10) CONSTRUCTION:
Well seal—Material used Cemment & Bentonite
Depth of seal 77 ft.
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? [ ] Yes [X] No Depth
Was a drive shoe used? [ ] Yes [X] No
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Wash. Driller's well number
¼ ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner A-B-B-A

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 140 ft. Depth of completed well 140 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown top soil	0	2	
Red clay	2	20	
Soft brown rock	20	42	
Hard brown basalt	42	60	67
Med hard blue gray basalt	60	85	
Very hard blue basalt	85	91	
Med. hard gray basalt	91	108	
Very hard blue basalt	108	112	
Hard basalt(small soft layers	112	120	85
Med hard Basalt	120	129	85
Hard blue Gray Basalt	129	134	
Very hard blue basalt	134	140	85

Work started 4/12/69 19 Completed 4/17/69 19
Date well drilling machine moved off of well 4/22/69 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John Meeker (Drilling Machine Operator) Donald Brown Date 4/22/69, 19
Drilling Machine Operator's License No. 453 And 50

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME JOHN MEEKER WELL DRILLING (Person, firm or corporation) (Type or print)
Address 2902 Hoover BLVD, Newberg ORE
[Signed] John H Meeker (Water Well Contractor)
Contractor's License No. 111 Date 4/22/69, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

WASH 013443

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

RECEIVED AUG 18 1966 STATE ENGINEER SALEM, OREGON

RECEIVED JUL 1 1966 STATE ENGINEER SALEM, OREGON

State Well No. 2/3W-11
State Permit No.

(1) OWNER:
Name Byron Davis
Address 370 N 4th 338 Hillsboro

(2) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 11 T. 2 S. R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 64 ft. Gage 17 #
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal Cement & Sand
Depth of seal 64 ft. Was a packer used? Rock cutting
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 227 ft. below land surface Date 4/26/66
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 15 gal./min. with 45 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 330 ft. Depth of completed well 330 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Clay Red	2	8
Clay Yellow	8	50
Sandstone yellow	50	58
Rock Soft Brown	58	145
Rock Blue Med	145	215
Rock Gray Hard	215	250
Rock Lava Brown	250	305
Rock Blue	305	315
Rock Lava Brown	315	330

Work started 4/22 1966 Completed 4/26 1966
Date well drilling machine moved off of well 19

(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Ralph Tutnet (Person, firm or corporation) (Type or print)
Address R-1 Box 141 Hillsboro Ore
Drilling Machine Operator's License No. 254
[Signed] Ralph Tutnet (Water Well Contractor)
Contractor's License No. 247 Date 4/28 1966

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

WASH 013444

WATER WELL REPORT

STATE OF OREGON

RECEIVED
MAY 2 1973
STATE ENGINEER
SALEM OREGON

(Please type or print)
(Do not write above this line)

State Well No. 2S/3W-11aab
State Permit No.

(1) OWNER:
Name TONY SKUFCA
Address 13270 SW WALKER RD.
BEAVERTON OREGON 97005

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
[illegible] ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 60 ft. Gage 1/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
[illegible]: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 10 gal./min. with 40 ft. drawdown after 1 hrs.
[illegible]esian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 60 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 15 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County WASHINGTON Driller's well number
NW ¼ NE ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 310 ft.
Static level 220 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 340 ft. Depth of completed well 340 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	2	
Red CLAY	2	45	
Rock HARD	45	340	

Work started 4-17 19 73 Completed 4-25 19 73
Date well drilling machine moved off of well 4-25 19 73

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Cyril Vandelay (Drilling Machine Operator) Date 4-25, 19 73
Drilling Machine Operator's License No. 403

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name CYRIL VANDELAY (Person, firm or corporation) (Type or print)
Address Rt 2 Box 363 Forest Grove Ore
[Signed] Cyril Vandelay (Water Well Contractor)
Contractor's License No. 353 Date 4-25, 19 73

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45656-119

STATE ENGINEER
Salem, Oregon

Well Record WASH 013445

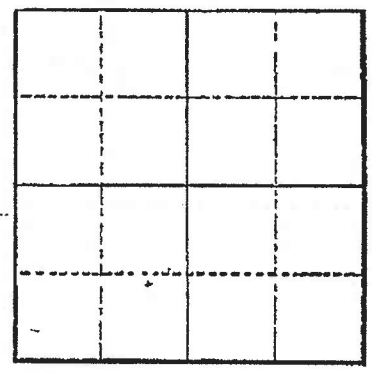
STATE WELL NO. 2S/3W 11CW Da
COUNTY Washington
APPLICATION NO.

OWNER: Max Reeher
MAILING ADDRESS:
LOCATION OF WELL: Owner's No.
CITY AND STATE:

¼ ¼ Sec. T. N. S., R. E. W., W.M.

Bearing and distance from section or subdivision corner

Altitude at well 740 ft.



TYPE OF WELL: drilled Date Constructed
Depth drilled 183 ft. Depth cased —

Section

CASING RECORD: 6 inch.

FINISH:

AQUIFERS: Basalt.

WATER LEVEL: —

PUMPING EQUIPMENT: Type piston H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER domestic Temp. °F. , 19
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER
ADDITIONAL DATA:
Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS: —

State Printing 89318

Original log filed: Sept. 13, 1968

WASH 013446

NOTICE TO WATER WELL CONTRACTOR: The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON, within 30 days from the date of well completion.

RECEIVED MAY 13 1969 STATE ENGINEER SALEM, OREGON

(NC)

WATER WELL REPORT

STATE OF OREGON (Please type or print) (Do not write above this line)

RECEIVED MAY 19 1969 STATE ENGINEER SALEM, OREGON

State well No. 2/3W-11ba

Permit No.

(1) OWNER:

Name Mr. + Mrs. Hugh Ward

Address 2620 13th Ave. Forest Grove, Oregon

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:

Threaded [ ] Welded [X]

6" Diam. from 0 ft. to 59 ft. Gage .250

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? [ ] Yes [X] No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 300 ft. below land surface Date 7/24/68

Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [ ] No If yes, by whom? Van's Pump Hillsboro

Yield: 25 gal./min. with 4 ft. drawdown after 24 hrs.

" " " "

" " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? [ ] Yes [ ] No

(10) CONSTRUCTION:

Well seal—Material used Bentonite

Depth of seal 40 ft.

Diameter of well bore to bottom of seal 6 in.

Were any loose strata cemented off? [ ] Yes [X] No Depth

Was a drive shoe used? [X] Yes [ ] No

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? Soft depth of strata 11 feet

Method of sealing strata off

Was well gravel packed? [ ] Yes [X] No Size of gravel:

Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Washington Driller's well number

NE ¼ NW ¼ Section 11 T. 2S R. 3W W.M.

Bearing and distance from section or subdivision corner

32 rods West of NE corner

(12) WELL LOG:

Diameter of well below casing 6 11

Depth drilled 335 ft. Depth of completed well 335 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top Soil	0	6	
Yellow Clay	6	31	
Red Clay	31	49	
Gray Basalt	49	162	
Brown Decomposed Rock	162	171	
Hard Gray Basalt	171	267	
Red Lava Cinders	267	284	
Black Lava	284	297	
Hard Gray Basalt	297	309	
Soft Porous Black Rock	309	326	
Moderate Hard Basalt	326	335	

Work started May 24 19 68 Completed July 24 19 68

Date well drilling machine moved off of well August 17 19 68

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Orval Harty (Drilling Machine Operator) Date May 8, 19 69

Drilling Machine Operator's License No. 303

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Orval W. Harty (Person, firm or corporation) (Type or print)

Address 3340 S.W. Seymour St. Portland Oregon

[Signed] Orval Harty (Water Well Contractor)

Contractor's License No. 518 Date May 8, 19 69

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE ENGINEER
Salem, Oregon

Well Record WASH 013447

STATE WELL NO. 23/2W 11DAA
COUNTY Washington
APPLICATION NO. —

OWNER: B. B. Cooley

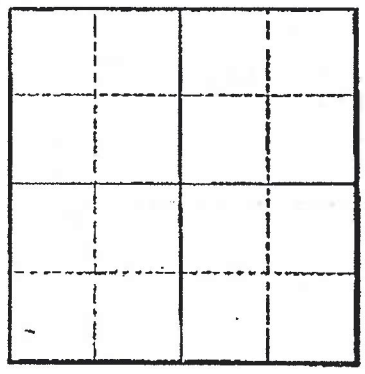
MAILING ADDRESS:

LOCATION OF WELL: Owner's No.

CITY AND STATE:

¼ ¼ Sec. T. N. S., R. E. W., W.M.

Bearing and distance from section or subdivision corner



Altitude at well 760 ft.

TYPE OF WELL: drilled Date Constructed

Depth drilled 125 ft. Depth cased —

Section

CASING RECORD: 6 inch

FINISH:

AQUIFERS: Basalt

WATER LEVEL: —

PUMPING EQUIPMENT: Type piston H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER domestic & stock Temp. °F. , 19
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER
ADDITIONAL DATA:
Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS: —

State Printing 80318

Case File 06-389-PA
Exhibit D
Page 211 of 228

RECEIVED
MAR 3 1970
STATE ENGINEER
SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASK 013149

State Well No. 2/3W-11c6

State Permit No. _____

(1) OWNER:

Name Kenneth J Jalma

Address 19465 SW Cascadia, Aloha Ore.

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒

6" Diam. from 0 ft. to 100 ft. Gage .250

_____" Diam. from _____ ft. to _____ ft. Gage _____

_____" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.

Static level 116 ft. below land surface Date 2-24-70

Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator

Yield: 22 gal./min. with 84 ft. drawdown after 2 hrs.

" " " "

" " " "

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water 51° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:

Well seal—Material used Bentonite & Clay

Depth of seal 0 To 100 ft.

Diameter of well bore to bottom of seal 9 in.

Were any loose strata cemented off? ☐ Yes ☒ No Depth _____

Was a drive shoe used? ☐ Yes ☒ No

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:

County Wash. Driller's well number 161

NW ¼ SW ¼ Section 11 T. 2S R. 3W W.M.

Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 200 ft. Depth of completed well 200 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Clay	0	16	
Red Clay	16	34	
Brown Shale	34	78	
Gray Shale	78	162	
Gray Brown Porous Basalt (Water)	162	200	116

Work started 2-23 19 70 Completed 2-24 19 70

Date well drilling machine moved off of well 2-24 19 70

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Raymond A Borchers Date 2-24, 19 70
(Drilling Machine Operator)

Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME B & S Drilling Co.
(Person, firm or corporation) (Type or print)

Address RT 3 Box 271A Sherwood, Ore

[Signed] Raymond A Borchers
(Water Well Contractor)

Contractor's License No. 404 Date 2-24, 19 70

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

2 MW WASH

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

013451 (Do not write above this line)

RECEIVED DEC 31976 WATER RESOURCES DEPT. SALEM, OREGON

State Well No. 2S/3W-11 dd

State Permit No. _____

(1) OWNER:
Name H. Eves
Address 11663 NW Jericho Portland Ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 78 ft. Gage .250
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? O Pump Co
Yield: 20 gal./min. with 115 ft. drawdown after 2 hrs.
" AIR LIFT " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 55° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 78 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 16 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Wash Driller's well number 530
SE ¼ SE ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 172 ft.
Static level 85 ft. below land surface. Date 9-15-76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 200 ft. Depth of completed well 200 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	18	
Brown Shale	18	72	
Hard Gray Basalt	72	92	
Gray Basalt & Clay Seams	92	106	
Red Porous Basalt	106	123	
Hard Gray Basalt	123	172	
Gray Porous Basalt (water)	172	184	85
Hard Gray Basalt	184	200	

Work started 9-14 19 76 Completed 9-15 19 76
Date well drilling machine moved off of well 9-15 19 76

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond K Borchers Date 9-15, 19 76
(Drilling Machine Operator)
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Ray Borchers - Well Drilling
(Person, firm or corporation) (Type or print)
Address RT 3, Box 271A Sherwood Ore
[Signed] Raymond K Borchers
(Water Well Contractor)
Contractor's License No. 404 Date 9-15, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45050-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
MAY 15 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013448

State Well No. 2/3W-11 c6

State Permit No. _____

(1) OWNER:
Name Donald W WeBB
Address RT 2 ,Box 1244 Hisboro. Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 152 ft. Gage .250
_____" Diam. from _____ ft. to _____ ft. Gage _____
_____" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used _____
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.
Static level 72 ft. below land surface Date 4-29-70
Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Own Tom
Yield: 20 gal./min. with 143 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 52° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite & Clay
Depth of seal 0 To 152 ft.
Diameter of well bore to bottom of seal _____ in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth _____
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:
County Wash Driller's well number 172
NW ¼ SW ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 215 ft. Depth of completed well 215 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	18	
Brown Shale	18	58	
Gray Shale	58	96	
Gray Broken Basalt	96	192	
Gray & Yellow Basalt (Water)	192	215	72

Work started 4-28 19 70 Completed 4-29 19 70
Date well drilling machine moved off of well 4-29 19 70

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borcher (Drilling Machine Operator) Date 4-29, 19 70
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Roy Borchers - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3, Box 271A Sherwood, Ore
[Signed] Raymond A Borcher (Water Well Contractor)
Contractor's License No. 404 Date 4-29, 19 70

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
SEP 13 1977
WATER RESOURCE DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

013452

State Well No. 2S/3W-11C
State Permit No.

(1) OWNER:
Name Janet Bush/Karen Kraus
Address Rt. 2, Box 124
Hillsboro, Ore. 97123

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +1½ ft. to 76½ ft. Gage 1/4
4" Diam. from 0 ft. to 225 ft. Gage 3/16
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Grinding Wheel
Size of perforations 1/4 in. by 6 in.
70 perforations from 120 ft. to 225 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 30 GPM from 225' after 1 hr.
Airlifted 30 GPM from 145' after 30 min.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 55 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 75' ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6" in.
Number of sacks of cement used in well seal 22 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 74
NE¼ SW¼ Section 11 T. 2-S R. 3-W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 140 ft.
Static level 75' ft. below land surface. Date 8/8/77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 225 ft. Depth of completed well 225 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	1	
Brown Clay	2	18	
Soft Brown Rock	18	25	
Med. Hard Brown Rock	25	40	
Hard Brown Basalt	40	120	
Hard Black & Brown Basalt	120	140	
Hard Brown Basalt	140	150	
Hard Black & Brown Basalt	150	175	
Hard Brown & Red Basalt	175	180	
Hard Black & Brown Basalt	180	205	
Hard Black Basalt	205	225	

Work started 8/5/77 19 Completed 8/8/77 19
Date well drilling machine moved off of well 8/8/77 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 9/10, 19 77
Drilling Machine Operator's License No. 1088

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 9/10, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)
SP*4850-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON (Please type or print)

RECEIVED JUN 15 1977 WATER RESOURCES DEPT. SALEM, OREGON

WASH

State Well No. 25/3W-11db

(Do not write above this line) 013453 State Permit No.

(1) OWNER:
Name James Verdegan
Address Rt. 2, Box 125, Hillsboro, Ore. 97311

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +2 ft. to 52½ ft. Gage 1/4
4" Diam. from 0 ft. to 345 ft. Gage 3/16
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Grinding Wheel
Size of perforations ¼ in. by 6 in.
36 perforations from 120 ft. to 180 (180) ft.
36 perforations from 285 ft. to 345 ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Airlifted 11 GPM from 345 after 1 hr. "
" Airlifted 9 GPM from 305' after 30 min. "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 50½ ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 18 sacks
How was cement grout placed? Poured
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Washington Driller's well number 59
NW ¼ SE ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 75' & 115' & 320 ft.
Static level 160' ft. below land surface. Date 6/2/77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 345 ft. Depth of completed well 345 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Reddish-Brown Clay	2	16	
Soft Brown Decomposed Rock	16	50	
Hard Black & Brown Basalt	50	75	
Hard Gray Basalt	75	100	
Hard B. & B. Decomposed Basalt	100	120	
Hard Gray Basalt	120	135	
Hard Black & Brown Basalt	135	170	
Hard Black Basalt	170	185	
Hard Gray Basalt	185	265	
Black Basalt	265	280	
Hard Gray Basalt	280	300	
Hard Black Basalt	300	310	
Hard Gray Basalt	310	320	
Hard Black Basalt	320	330	
Hard Black & Brown Basalt	330	340	
Hard Gray Basalt	340	345	

Work started 5/31/77 19 Completed 6/2/77 19
Date well drilling machine moved off of well 6/2/77 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 6/7 19 77
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling (Person, firm or corporation) (Type or print)
Address 729 N. Main, Newberg, Ore. 97132
[Signed] (Water Well Contractor)
Contractor's License No. 645 Date 6/7 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

STATE ENGINEER
Salem, Oregon

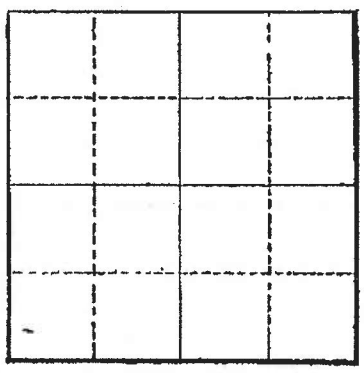
WASH
013454

Well Record

STATE WELL NO. 2S/9W-11KCD
COUNTY Washington
APPLICATION NO. .....

OWNER: A. Vendegan
MAILING ADDRESS: .....
CITY AND STATE: .....

LOCATION OF WELL: Owner's No. .....
.....¼ .....¼ Sec. ..... T. ..... N. S., R. ..... E. W., W.M.
Bearing and distance from section or subdivision corner .....



Section .....

Altitude at well 690 ft.

TYPE OF WELL: drilled Date Constructed .....
Depth drilled 250 ft. Depth cased 72 ft.

CASING RECORD: 6 inch.

FINISH:

AQUIFERS: Basalt from 72 to 150 ft.

WATER LEVEL: 45 ft. below land surface.

PUMPING EQUIPMENT: Type piston H.P. .....
Capacity ..... G.P.M.

WELL TESTS:
Drawdown ..... ft. after ..... hours ..... G.P.M.
Drawdown ..... ft. after ..... hours ..... G.P.M.

USE OF WATER domestic Temp. ..... °F. ....., 19.....
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER .....
ADDITIONAL DATA:
Log ..... Water Level Measurements ..... Chemical Analysis ..... Aquifer Test .....

REMARKS: "Upper Water" lost in crevices; back-filled to 150 ft.; basalt from 72 to 250 ft.

State Printing 89918

STATE ENGINEER
Salem, Oregon

WASH
013455

Well Record

STATE WELL NO. 2S/3W 11R(1) dd
COUNTY Washington
APPLICATION NO.

OWNER: M. J. Murphy
MAILING ADDRESS:
LOCATION OF WELL: Owner's No.
CITY AND STATE:

¼ ¼ Sec. T. N. S., R. E. W., W.M.

Bearing and distance from section or subdivision corner

Altitude at well 750 ft.

TYPE OF WELL: drilled Date Constructed

Depth drilled 112 ft. Depth cased 106 ft.

Section

CASING RECORD: 6 inch.

FINISH:

AQUIFERS: Basalt from 108 to 112 ft.

WATER LEVEL: 52 ft. below land surface.

PUMPING EQUIPMENT: Type Jet H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER domestic Temp. °F. , 19
SOURCE OF INFORMATION U.S.G.S.
DRILLER or DIGGER
ADDITIONAL DATA:
Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS: Some water reported at 70 ft. in gravel.

State Printing 60310

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
APR - 9 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON (type or print) (Do not write above this line)

013456 State Well No. WASH 2/3W-11 dd

State Permit No.

(1) OWNER:
Name Ralph Keys
Address RT 2, Box 124 Hillsboro Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 110 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS: Perforated? ☐ Yes ☒ No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 89 ft. below land surface Date 4-7-70
Artesian pressure lbs. per square inch Date

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Owner
Yield: 22 gal./min. with 171 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite + Clay
Depth of seal 0 To 110 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☒ Yes ☐ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Wash. Driller's well number 162
SE ¼ SE ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner TAX
LOT # 604

(12) WELL LOG: Diameter of well below casing 6"
Depth drilled 260 ft. Depth of completed well 260 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Brown Clay	2	18	
Red Clay	18	38	
Brown Shale	38	92	
Gray Broken Basalt	92	106	
Hard Gray Basalt	106	128	
Porous Broken Yellow Basalt	128	146	
Hard Gray Basalt	146	152	
Gray Basalt + Clay Seams	152	170	
Hard Gray Basalt	170	208	
Gray Basalt + Clay Seams	208	232	
Gray Porous Basalt (Water)	232	248	89
Gray Basalt + Clay Seams	248	260	

Work started 4-6 19 70 Completed 4-7 19 70
Date well drilling machine moved off of well 4-7 19 70

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Bowker (Drilling Machine Operator) Date 4-7, 19 70
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME B & S Drilling Co (Person, firm or corporation) (Type or print)
Address RT 3, Box 271A Sherwood, Ore.
[Signed] Raymond A Bowker (Water Well Contractor)
Contractor's License No. 404 Date 4-7, 19 70

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JUN 25 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

WASH 013457
State Well No. 2/3W 11 dd
State Permit No. .....

(1) OWNER:
Name Lela GuThrie
Address 244 NW Dennis Hillsboro Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 85 ft. Gage .250
..." Diam. from ... ft. to ... ft. Gage ...
..." Diam. from ... ft. to ... ft. Gage ...

PERFORATIONS:
Perforated? ☐ Yes ☒ No
e of perforator used
Size of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name ...
Type ... Model No. ...
Diam. ... Slot size ... Set from ... ft. to ... ft.
Diam. ... Slot size ... Set from ... ft. to ... ft.

(8) WATER LEVEL: Completed well.
Static level 156 ft. below land surface Date 6-17-70
...sian pressure ... lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
...ld: 25 gal./min. with 59 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water 52 Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite & Clay
Depth of seal 0 To 85 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth ...
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? ... depth of strata ...
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: ...
Gravel placed from ... ft. to ... ft.

(11) LOCATION OF WELL:
County Wash Driller's well number 180
SE ¼ SE ¼ Section 11 T. 2S R. 3W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 215 ft. Depth of completed well 215 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	2	
Red Clay	2	28	
Brown Stable	28	76	
Hard Gray Basalt	76	98	
Gray Porous Basalt	98	104	
Brown Porous Basalt	104	118	
Hard Gray Basalt	118	136	
Gray Porous Basalt	136	141	
Hard Gray Basalt	141	162	
Gray Broken Basalt	162	183	
Hard Gray Basalt	183	187	
Gray Broken Basalt (water)	187	204	156
Hard Gray Basalt	204	215	

Work started 6-16 19 70 Completed 6-17 19 70
Date well drilling machine moved off of well 6-17 19 70

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borches (Drilling Machine Operator) Date 6-18 19 70
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Ray Borches - Well Drilling (Person, firm or corporation) (Type or print)
Address RT 3 Box 271A Sherwood Ore
[Signed] Raymond A Borches (Water Well Contractor)
Contractor's License No. 404 Date 6-18 19 70

(USE ADDITIONAL SHEETS IF NECESSARY)

WASH 51782

RECEIVED
FEB - 7 1997
WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L02817

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

(START CARD) # 96758

(1) OWNER: Well Number

Name SCOTT EISENSTEIN

Address 3428 SW ARNOLD HEIGHT TER.

City PORTLAND State OR Zip 97219

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 677 ft.

Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	169	CEMENT/BENT	0	169	35 SKS.
6	169	677				

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[ ] Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	169	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	137	677	200#	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[X] Perforations Method DRILLED

[ ] Screens Type Material PVC 200#

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
647	677		120	1"	PIPE	[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30+ GPM		677	2 HR 1 hr.

Temperature of water 54°F Depth Artesian Flow Found

Was a water analysis done? [X] Yes By whom AMT

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude Longitude

Township 2S N or S Range 3W E or W. WM.

Section 11 SW 1/4 NE 1/4

Tax Lot 301 Lot Block Subdivision

Street Address of Well (or nearest address) 15811 SW HOLLY HILL RD HILLSBORO, OR 97123

(10) STATIC WATER LEVEL:

434 ft. below land surface. Date 01/31/97

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 580

From	To	Estimated Flow Rate	SWL
580	668	12 GPM	434
668	677	18+ GPM	434

(12) WELL LOG:

Ground Elevation 600 FT

Material	From	To	SWL
Brown clay w/red-brown strks	0	35	
Brown decomp rock w/clay	35	58	
Gray & gray-brown rock & clay	58	106	
Gray-brown & brown rock w/clay	106	122	
Hard gray basalt w/clay strks	122	137	
Gray-brown basalt w/brkn stk.	137	162	
Hard gray & gray-brown basalt	162	177	
Hard gray basalt w/firm strks	177	419	
Firm gray-black basalt	419	427	
Hard gray basalt w/firm strks	427	561	
Gray-black basalt w/gray stk.	561	677	434
NOTE: Broken/caving zone			
grouted @ 169-265 (17 SKS)			
drilled out well bore			
Storage zone in upper prod.	580	668	
produced 30 GPM 1ST hour, then			
decreased to 12 GPM later.			

Date started 01/22/97 Completed 01/31/97

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 1492

Signed Melissa Bigsby Date 02/03/97

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266

Signed Date 02/03/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

V.

JUN 24 1997

STATE OF OREGON WATER RESOURCES DEPT. L12931
WATER SUPPLY WELL REPORT SALEM, OREGON
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

wash 52276 (START CARD) # 099610

(1) OWNER: Well Number
Name KEN MCQUHAE
Address 33844 SW LAUREL RD.
City HILLSBORO State OR. Zip 97123

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 485 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	60	Cemt/Bent.	0	60	24 sks w/gel
8	60	78	Cemt/Bent.	60	78	4 sks w/gel
6	78	485				

How was seal placed: Method [ ] A [X] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	78	250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
				PVC	[ ]	[ ]	[ ]	[ ]
Liner:	4"	65	485	200	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 4" FPT @ 65'

(7) PERFORATIONS/SCREENS:
[X] Perforations Method DRILL
[ ] Screens Type Material PVC 200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
465	485		40	3/8		[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
33		465 & 485	1 hr.
19		440	1 hr.

Temperature of water 55°F Depth Artesian Flow Found
Was a water analysis done? [ ] Yes By whom
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 11 NE 1/4 NW 1/4
Tax Lot 1102 Lot Block Subdivision
Street Address of Well (or nearest address) 33844 SW LAUREL RD. HILLSBORO, OR. 97123

(10) STATIC WATER LEVEL:
321 ft. below land surface. Date 06/14/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 390

From	To	Estimated Flow Rate	SWL
390	440	10 GPM	321
440	475	23 GPM	321

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Brown & red-brown clay firm sticky	0	30	
Brown clay & rotten rock	30	45	
Brown basalt, weathered	45	55	
Grey-brown basalt, hard	55	95	
Brown & grey-brown basalt occ. frac.	95	115	
Grey-black basalt, occ. grey -brown occ. frac., occ brok	115	260	
Black & grey-black basalt occ. lava occ. hard streaks, occ. frac./broken	260	390	
Black & grey-black basalt/ lava strks, broken strks.	390	440	321
Brown & black basalt broken occ. red lava, occ caving rock	440	455	
Grey-black basalt occ. frac/ broken	455	475	321
Grey-black basalt, hard	475	485	

Date started 06/11/97 Completed 06/14/97

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 06/20/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Wash
53795

~~STATE~~ OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(1) OWNER:
Well Number: 98-022
Name: Jan Bush
Address: 12672 NW Barnes Road
City: Portland State: OR Zip: 97229

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other:

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 207
Explosives Used ☐Yes ☒No Type ____ Amount

HOLE Diameter	From	To	SEAL Material	From	To	sacks or pounds
10"	0	58.5	bent chp	0	50	28 sacks
6"	58.5	207				

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☒ Other Poured - probed
Backfill placed from 50 to 58.5 Material bent chps
from ____ to ____ Material ____
Gravel placed from ____ to ____ Size of gravel

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+18"	58.5'	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4"	-7	207	160#	☐	☒	☒	☐
				☐	☐	☐	☐

Final location of Shoe(s): 58.5'

(7) PERFORATIONS/SCREENS:
☒ Perforations Method: saw cut
☐ Screen Type: ____ Material: ____

From	To	Slot Size	No.	Tele/pipe Diameter	Tele/pipe size	Casing	Liner
147	187	1/8x7	72			☐	☒
197	207	1/8x7	18			☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
8	n/a	200	1 hr.
8	n/a	200	3 hrs

Temperature of water 61 Depth Artesian Flow Found
Was a water analysis done? ____ By whom:
Did any strata contain water not suitable for intended use? (explain)
____
Depth of Strata:____

WELL ID # L 18935
START CARD # 102815

(9) LOCATION OF WELL by legal description:
County: Washington Latitude: ____ Longitude: ____
Township: 2S Range: 3W
Section: 11 NE ¼ NE ¼
Tax Lot: 600 Lot: ____ Block: ____ Subdivision: ____
Street Address of Well (or nearest address) 14199 SW Meeker Terrace, Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
104 Ft. below land surface Date 7-22-98
Artesian pressure ____ lb. per sq. in. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 140'

From	To	Est. Flow Rate	SWL
140	207	8 gpm	104

(12) WELL LOG: Ground Elevation: ____

Material	From	To	SWL
top soil	0	1	
Clay reddish brown	1	12	
rock decomposed very soft /clay	12		
reddish brown		45	
basalt grey decomposed	45	52	
basalt wthd brwn/grey medium	52	57	
basalt grey medium	57	75	
basalt grey vesic	75	79	
basalt grey medium	79	84	
basalt grey medium fractured	84	93	
basalt grey med occ fractured	93		
w/black seams		111	
basalt brown decomp blk	111	123	
basalt grey medium	123	124	
basalt brown medium-soft	124	129	
basalt grey medium	129	140	
basalt grey/black fractured	140	161	
basalt grey medium occ fractured	161	207	

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WATER RESOURCES DEPT.
SALEM, OREGON

Date Started: 7-20-98 Completed: 7-22-98

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. ARROW DRILLING
Signed 503-538-4422 WWC Number ____ Date ____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed ____ Date 7/23/98

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Wash 53547

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MAY 14 1998

WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 18374
START CARD # 095392

(1) OWNER: Well Number 507
Name Dale & Noreen Nance
Address 5300 SW Baseline Rd. # 133
City Hilsboro State OR. Zip 97123

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 650 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	25	bentonite	0	25	15
8	25	78	cement	25	78	10
6	78	650				

How was seal placed: Method ☐ A ☒ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+2	78	¼	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	-1	650	¼	☐	☒	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method drill
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
550	650	1"	100	4"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
15		650	1 hr.

Temperature of water 54 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Wash. Latitude _____ Longitude _____
Township 2 N or S Range 3 E or W WM.
Section 11 NE 1/4 SE 1/4
Tax Lot 0403 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) next to 15500 Holly Hill Rd.

(10) STATIC WATER LEVEL:
425 ft. below land surface. Date 5/12/98
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 50

From	To	Estimated Flow Rate	SWL
50	60	5	35
555	575	15	425

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay brown	0	12	
clay red	12	30	
clay/basalt brown	30	40	
sandstone brown	40	50	
basalt brown	50	60	35
basalt gray	60	280	
basalt gray/green	280	290	
basalt gray	290	555	
basalt gray broken	555	575	425
basalt gray	575	630	
basalt/clay gray	630	635	
basalt brown/white	630	640	
basalt gray	640	650	

Date started 5/5/98 Completed 5/12/98

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I certify that all drilling, construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
AMERICAN WELL DRILLING
WWC Number 663
Signed Rodney C. Ed Date 5/13/98

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Wwl 53548

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MAY 15 1998
WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 23634
START CARD # 114020

(1) OWNER: Well Number
Name SCOTT & RENEE HUFKEY
Address 32739 SW LAUREL VIEW RD.
City HILLSBORO. State OR Zip 97123

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 586 ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	95	Cement/Bent.	0-95		17 SKS W/GEL
8	95	139	" "	95	139	7 SKS W/GEL
6-3/4	139	260				
6	260	586				

How was seal placed: Method [ ] A [X] B [X] C [ ] D [ ] E
[ ] Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	139	250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:	4"	46	586	160#	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) 4" FPT @ 46'

(7) PERFORATIONS/SCREENS:
[X] Perforations Method DRILLED
[ ] Screens Type Material PVC 160

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
546	586		80	3/8		[ ]	[X]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
40-45		586	1 hr.
36-38		500	2-4 hrs.
30		420	" "

Temperature of water 54 °F Depth Artesian Flow Found
Was a water analysis done? [X] Yes By whom AMJ
Did any strata contain water not suitable for intended use? [ ] Too little
[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 11 SE 1/4 SE 1/4
Tax Lot 505 Lot Block Subdivision
Street Address of Well (or nearest address) 32739 SW LAUREL VIEW RD HILLSBORO, OR

(10) STATIC WATER LEVEL:
159 ft. below land surface. Date 05/12/98
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 568

From	To	Estimated Flow Rate	SWL
568	582	40-45 GPM	159

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Brown&red-brown clay,occ. rotten rock	0	50	
Brown basalt,weath.occ. clay	50	65	
Basalt boulders,w/brown clay	65	75	
Brown basalt,very weath. occ. clay	75	85	
Brown basalt, weathered	85	90	
Gray-black basalt,hard,frac.	90	95	
Gray-brown basalt,occ.weath. soft	95	120	
Gray-black basalt,occ.gray-brown basalt	120	170	
Brown basalt, broken	170	190	
Black&Gray-black basalt,hard occ. lava streaks	190	568	
Brown basalt,ash,lave (inter)	568	575	159
Black/Brown basalt,broken	575	582	159
Gray-black basalt, hard	582	586	

Date started 05/06/98 Completed 05/12/98

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number 573
Signed Date 05/13/98

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1266
Signed Date 05/13/98

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NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
MAY 19 1969
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT WASH
STATE OF OREGON
(Please type or print)
(Do not write above this line) 010660

State Well No. 1/3W-11
State Permit No.

(1) OWNER:
Name William H. Stark
Address Rt 2, Box 123 Hillsboro, Oregon

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 63 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 263 ft. below land surface Date 5/14/69
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 12 gal./min. with 12 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Cement & Bentonite
Depth of seal 61 ft.
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Washington Driller's well number
¼ ¼ Section 11 T. 1 S R. 3 W. W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 293 ft. Depth of completed well 293 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Topsoil	0	2	
Brown Clay	2	6	
Red Clay-fragmented rock	6	38	
Yellow clay & rock	38	50	
Soft rock	50	52	
Hard rock	52	61	
Hard rock	61	68	
Brown rock	68	85	
Blakk hard rock	85	118	
Grey basalt	118	132	
Rock - seamed	132	150	
Brown clay	150	152	
Porous rock	152	160	
Hard rock	160	180	
Broken rock	180	185	3 gpm
Hard grey basalt	185	238	
Broken rock	238	248	
Broken rock	248	293	

Work started 3/14 19 69 Completed 5/14/69 19
Date well drilling machine moved off of well 5/15/69 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 5/15, 19 69
Drilling Machine Operator's License No. 563

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME A. M. Jannsen Drilling Co.
(Person, firm or corporation) (Type or print)
Address 21075 S. W. Tualatin Valley Highway Aloha, Oregon
[Signed] (Water Well Contractor)
Contractor's License No. 79 Date 5/14/69, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

#18 WASH 241

JAN 10 1991

WATER RESOURCES DEPT

25/3W/11da

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 26148

(1) OWNER: Well Number:
Name: Harvard Benway
Address: 15590 SW Holly Hill Rd.
City: Hillsboro State: OR Zip: 97123

(2) TYPE OF WORK:
☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 350 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
5-3/4	293	350				

How was seal placed: Method ☐ A ☐ B ☐ C ☒ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	20	350	SCH40	☐	☒	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Drill
☐ Screens Type Material PVC SCH40

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
335	350		45	3/8	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
15-18		350	1 hr.
12-15		325	"

Temperature of water 53 ° F Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S. Range 3W E or W, WM.
Section 11 NE ¼ SE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 15590 SW Holly Hill Rd Hillsboro, OR 97123

(10) STATIC WATER LEVEL:
271 ft. below land surface. Date 01/05/91
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 271

From	To	Estimated Flow Rate	SWL
271	293	3-5 gpm	271
293	350	12-13 gpm	"

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Existing 6" Well(Wm Stark,1969)		293	271
Black&Gray-black Basalt,Brkn	293		
occ. Lava Strks.		350	271

Date started 01/03/91 Completed 01/05/91

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 01/07/91

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12

Wash 157

25/3W/11 da

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 35227

(1) OWNER: Well Number:
Name HARVARD BENWAY
Address 15590 SW HOLLY HILL RD.
City HILLSBORO, State OR Zip 97123

(2) TYPE OF WORK:
☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 568 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
6	350	568				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30		568	1 hr.

Temperature of water 54° F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AM JOHNSON WELL DRILLING
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude ° ' Longitude ° '
Township 2S N or S, Range 3W E or W, WM.
Section 11 NE ¼ SE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 15590 SW HOLLY HILL HILLSBORO, OR

(10) STATIC WATER LEVEL:
290 ft. below land surface. Date 10/01/91
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 546

From	To	Estimated Flow Rate	SWL
546	565	30 gpm	290

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Existing well	0	350	
Hard gray&gray-black basalt occ fractures	350	434	
gray brown basalt w/occ. fratures	434	439	
Hard gray&gray-black basalt	439	546	
Brown&gray basalt	546	565	290
Gray basalt	565	568	"
ORIGINAL BORE HOLE GROUTED & DRILLED OUT W/6"	280	350	
WATER SAMPLE:			
Hardness 6 gr.			
Iron 1 ppm			
Chlorides under 12 ppm			
pH 7.5			

Date started 09/24/91 Completed 10/01/91

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number 1492
Signed Mel Bigsby Date 10/08/91

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 10/08/91

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OCT 0 4 2001

WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

WELL I.D. # L 52387
START CARD # 142853

(1) LAND OWNER
Name HAROLD JOHNSTON Well Number
Address 32633 SW LAURELVIEW RD.
City HILLSBORO State OR Zip 97123

(2) TYPE OF WORK
☐ New Well ☒ Deepening ☒ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 646 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
6	200	646	SEAL NOT DISTURBED			

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4½"	6	646	160#	☐	☒	☒	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Drilled
☐ Screens Type Material PVC 160

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
626	646		80	3/8		☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30+		646	1 hr.
25		540	"
18-20		440	"

Temperature of water 54°F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom AMJ
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude Longitude
Township 2S N or S Range 3W E or W. WM.
Section 11 SE 1/4 SE 1/4
Tax Lot 506 Lot Block Subdivision
Street Address of Well (or nearest address) 32633 SW LAURELVIEW RD

(10) STATIC WATER LEVEL:
251 ft. below land surface. Date 09/28/01
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 549

From	To	Estimated Flow Rate	SWL
540	600	20 gpm	251
600	646	10+ "	251

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Previously drilled	0	200	
open hole			
Pressure grouted well			
bore w/15 sks mix @		200	
Cement set-firm to hard	120	200	
Drilled out cement, hole dry to		200	
DEEPENING:			
Gray basalt, hard	200	240	
Gray basalt, firm occ.	240	440	
soft streaks			
Black basalt	440	540	
Black basalt&lava, brkn.	540	600	251
Gray-brown basalt, frac.	600	630	"
Gray-green basalt, brkn.	630	646	251
"mineral"			

Date started 09/24/01 Completed 09/28/01

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 573
Signed Date 09/28/01

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SUMMARY OF DECISION

Joseph and Barbara Rodriguez applied to Washington County for a plan amendment to change the plan designation for one parcel totaling 10.17 acres from Agriculture and Forest 10 Acre District (AF-10) to Agriculture and Forest 5 Acre District (AF-5). The property is more specifically described as tax lot 807 of tax map 2S3, section 3.

At its hearing on November 7, 2007, the Washington County Planning Commission voted to tentatively approve the plan amendment application and directed the applicant to work with staff to develop additional findings and appropriate conditions of approval. On December 5, 2007, the Planning Commission approved the plan amendment request, subject to the following condition:

1. Any additional amount over and above the fee deposit submitted with this application which is determined to be owed to the county shall be paid upon receipt of a statement of balance due, consistent with the agreement for payment of fees for quasi-judicial plan amendment application processing previously signed by the owner.

COUNTY -DLUT
/ISION, #350-14
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97124-3072

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Salem OR 97301