

Application for a Permit to Use Ground Water



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$200. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$300.00 for the applicant and \$600.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed, the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department issues a Final Order consistent with the PFO. If the application is approved, a permit is issued that specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.615)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- ☒ SECTION 1: applicant information and signature
- ☒ SECTION 2: property ownership
- ☒ SECTION 3: well development
- ☒ SECTION 4: water use
- ☒ SECTION 5: water management
- ☒ SECTION 6: storage of groundwater in a reservoir
- ☒ SECTION 7: use of stored groundwater from the reservoir
- ☒ SECTION 8: project schedule
- ☐ SECTION 9: within a district N/A
- ☒ SECTION 10: remarks

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Attachments:

- ☒ Land Use Information Form with approval and signature (*must be an original*) or signed receipt
- ☒ Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map. Example: A copy of the deed, land sales contract or title insurance policy.
- ☒ Fees - Amount enclosed: \$1,650.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.

Provide a map and check that each of the following items is included:

- ☒ Permanent quality and drawn in ink
- ☒ Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
- ☒ North Directional Symbol
- ☒ Township, Range, Section, Quarter/Quarter, Tax Lots
- ☒ Reference corner on map
- ☒ Location of each well, and/or dam if applicable, by reference to a recognized public land survey corner (distances north/south and east/west). Each well must be identified by a unique name and/or number.
- ☒ Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- ☒ Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- ☐ Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
- ☐ Other _____

Application for a Permit to Use Ground Water



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SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME DRIZZLEWOOD FARM, LLC HARLAN SHOBER			PHONE (HM) 971-227-0478		
PHONE (WK)		CELL 971-227-0478		FAX	
ADDRESS 2280 SE 34TH					
CITY PORTLAND		STATE OR	ZIP 97214	E-MAIL* DRIZZLEWOOD@GMAIL.COM	

Organization Information

NAME			PHONE		FAX
ADDRESS					CELL
CITY	STATE	ZIP	E-MAIL*		
PORTLAND	OR	97214	DRIZZLEWOOD@GMAIL.COM		

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME STEVEN P. APPLGATE CONSULTING			PHONE 503-362-4040		FAX
ADDRESS 3395 HUCKLEBERRY CT S					CELL
CITY SALEM	STATE OR	ZIP 97302	E-MAIL* STEVE.APPLGSP@GMAIL.COM		

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (paper copies of the final order documents will also be mailed.)

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By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.

I (we) affirm that the information contained in this application is true and accurate.

Applicant Signature

Harlan Shober
Print Name and title if applicable

Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use

App. No. G-17670

Permit No. _____

Date 5/09/2013

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

☒ Yes

☐ There are no encumbrances.

☒ This land is encumbered by easements, rights of way, roads or other encumbrances.

☐ No

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).

☐ Water is to be diverted, conveyed, and/or used only on federal lands.

List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

None

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
1	Teasel Creek	2480'	90'

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (*attach additional sheets if necessary*).

See attached well log # 010479 (Roy Lay)- no alterations since original construction.

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6-17670

SECTION 3: WELL DEVELOPMENT, CONTINUED

Source (aquifer), if known: alluvial

Total maximum rate requested: 0.28 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

Complete the table below. If this is an existing well, the following information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
1	☐	☒	010479	☐	10"/8/6	125'	50-108'	119'	32'	Alluvial/sandstone	125	125	55.0 <i>AM</i>
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
irrigation	Irr. season (31-10/31)	55

Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: 22.0 Acres Supplemental: Acres

List the Permit or Certificate number of the underlying primary water right(s): N/A

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 55

- If the use is **municipal or quasi-municipal**, attach **Form M**
 - If the use is **domestic**, indicate the number of households:
- If the use is **mining**, describe what is being mined and the method(s) of extraction:

SECTION 5: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

☒ Pump (give horsepower and type): 5-10 Hp electric turbine or submersible

☐ Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. 6" buried PVC mainlines

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)
Portable laterals w/ rain bird type heads.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

Efficient, leak-free mainlines with minimal use on pasture/hay crops.

SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR N/A

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: Acreage inundated by reservoir:

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Use(s): _____

Volume of Reservoir (acre-feet): _____ Dam height (feet, if excavated, write "zero"): _____

Note: If the dam height is greater than or equal to 10.0' above land surface AND the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR N/A

If you would like to use stored ground water from the reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Annual volume (acre-feet): _____

USE OF STORED GROUND WATER	PERIOD OF USE

SECTION 8: PROJECT SCHEDULE

Date construction will begin: upon approval

Date construction will be completed: within 5 years

Date beneficial water use will begin: within 5 years

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SECTION 9: WITHIN A DISTRICT N/A

☐ Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

This application was discussed with Karl Wozniak prior to its development. The groundwater review should be directed through him.

61-17670

Land Use

Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
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NOTE TO APPLICANTS

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SALEM, OREGON

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Applicant: Drizzlewood Farm, LLC

First Harlan Shober Last

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Mailing Address: 2280 SE 34th

MAY 13 2013

Portland
City

OR
State

97214
Zip

Daytime Phone: 971-227-0478

**WATER RESOURCES DEPT
SALEM, OREGON**

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
5 S.	2 E	27	NW NW	600	EFU	☒ Diverted	☒ Conveyed	☒ Used	Irrigation
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Clackamas Co.

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water
 ☐ Water Right Transfer
 ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License
 ☐ Allocation of Conserved Water
 ☐ Exchange of Water

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 0.28 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☒ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☐ Other _____

Briefly describe:

Irrigation pump to be installed in existing well. Buried mainlines with portable laterals and Rain Bird type sprinklers. Crops expected to be hay & pasture.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): SUBSECTION 401.04 - TABLE 401-1 "FARM AND FOREST USES - ORS 215.203
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

DRIZZLEWOOD FARM, LLC - 52E27 - 600.

Name: CARLY HEWITT Title: SA. RANGER

Signature: [Signature] Phone: 503-742-4519 Date: 5.6.13

Government Entity: _____

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

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EXHIBIT "A"□
(Land Description Map Tax and Account)

Commencing at the quarter corner between Sections 27 and 28, Township 5 South, Range 2 East, of the Willamette Meridian, and thence running 80 rods to the Northeast corner of the Northwest quarter of the Southwest quarter of said Section 27; thence South 56 rods to the Northeast corner of that certain tract of land conveyed to Hubert Engle by deed recorded in Book 118, Page 295 deed records; thence West along the North line of the Engle tract 80 rods to the section line; thence North 56 rods to the place of beginning.

ALSO: The West one half of the Northwest quarter of Section 27, Township 5 South, Range 2 East, of the Willamette Meridian; EXCEPT the following described tract of land:

Beginning at the Northeast corner of Section 28; thence South on the line between sections 28 and 27, 46 rods to the true point of beginning; thence East 3 1/2 rods; thence South parallel with the East line of Section 28, 32 rods; thence West 3 1/2 rods to Section line; thence North to the true point of beginning.

EXCEPTING the tract of land conveyed by Wayne Lee Sawtell, et ux, to Mabel Virginia Miller, et vir., by deed recorded in Book 327, Page 94, deed records.

AND FURTHER EXCEPTING that portion conveyed in deed recorded February 16, 1961 in Book 583, Page 180 from Allen LeRoy Lay and Lois Geraldine Lay to Minnie E. Kraxberger and Adolph G. Kraxberger, Jr.

AND FURTHER EXCEPTING THEREFROM that portion described in deed recorded January 3, 1992 as Fee No. 92000282, described as follows:

A tract of land in the Northwest quarter of Section 27, Township 5 South, Range 2 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as follows:

Commencing at the Northwest corner of said Section 27; thence East 57.42 feet along the North line of said Section 27, to the point of beginning, said point also being the Northeast corner of that tract of land conveyed to Minnie E. Kraxberger and Adolph G. Kraxberger, Jr., her husband, by Clackamas County Records Book 583 Page 180; thence South 759.00 feet along the East line of said Kraxberger tract and parallel with the West line of said Section 27 to the Southeast corner of said Kraxberger tract; thence East 190.08 feet; thence North 759.00 feet parallel with the West line of said Section 27 to the North line of said Section 27; thence West 190.08 feet along the North line of said Section 27 to the point of beginning.

NOTE: This legal description was created prior to January 1, 2008.

Map No.: 52E2700-00600

Tax Account No.: 01111576

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**WATER RESOURCES DEPT
SALEM, OREGON**

G-17670

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

010479

JUL 27 1987 CLAG 55/2E-2766
WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:

Name Roy Lay
Address 15298 Herman Road South
City Molalla State OR Zip 97038

(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

BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 119 ft.
Explosives used Yes No Type Amount

HOLE		SEAL		Amount	
meter	From To	Material	From To	sacks	pounds
10"	0 114	Cement	0 19	8	sacks
8"	114 119	Cement	114 119	2	sacks
6"	119 125				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Bottom placed through casing w/plug.

Backfill placed from 19 ft. to 20 ft. Material Cuttings
Gravel placed from 20 ft. to 114 ft. Size of gravel 3/4-3/8

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	119	.250	☒	☐	☒	☐
Liner:					☐	☐	☐	☐

Location of shoe(s) 119'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Air perforator
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
50	108	1/8x1	1112			☒	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailor ☒ Air ☐ Flowing
Yield gal/min Drawdown Drill stem at Time
62 118 1 hr.

Temperature of water 48° 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 Clackamas Latitude Longitude
Township 5 S Nor S. Range 2 E E or W, WM.
Section 27 NW 1/4 NW 1/4
Tax Lot 00600 Lot Block Subdivision
Street Address of Well (or nearest address)
Same as #1.

(10) STATIC WATER LEVEL:

32 ft. below land surface. Date 7/23/87
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

47

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
47	57	20 GPM	
70	80	40	
100	110	60 Total	

(12) WELL LOG:

Material	From	To	SWL
Topsoil	0	1	
Clay brown w/occasional gravel	1	14	
Clay grey sticky	14	23	
Clay brown w/occasional gravel	23	37	
Sandstone grey soft	37	57	
Wood	57	63	
Claystone grey soft	63	76	
Conglomerate medium grey	76	80	
Sandstone grey soft	80	100	
Sandstone green soft	100	114	
Sandstone grey hard	114	125	

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Date started 7/21/87 Completed 7/23/87

(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.

Signed Don Stadelis WWC Number 1222
Date 7/23/87

(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 Paul R. Stadelis WWC Number 296
Date 7/23/87

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