



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

A. Individuals

Applicant: ZACHARY SWORD
First Last

Mailing address: Pc Box 3002
PRINCETON OREGON 97721
City State Zip

Phone: 541-673-493-2563 541-589-1917
Home Work Other

*Fax: _____ *E-Mail address: Sword2584@highdesertair.com

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: _____

Name and title of person applying: _____

Mailing address of organization: N/A

City State Zip

Phone: _____
Day Evening

*Fax: _____ *E-Mail address: _____

* Optional information

RECEIVED

NOV 30 2007
WATER RESOURCES DEPT
SALEM, OREGON

For Department Use		
App. No. <u>G-16973</u>	Permit No. _____	Date _____

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Skip to section 3 "Ground water Development.")

☐ No (Please check the appropriate box below.)

☐ 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 irrigated and/or domestic use only (ORS 274.040).

You must 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.

List the names and mailing addresses of all affected landowners.

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): 2

Name of nearest surface water body: NALHEUR LAKE

Distance from well(s) to nearest stream or lake: 1) 3.5 MILES

2) 3 MILES 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) _____

2) _____ 3) _____ 4) _____

B. Well Characteristics

Wells must be constructed according to standards set by the Department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to section 4 of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: KENNY SMITH

Address: LAWEN, OREGON

Completion date: NOT DEVELOPED

RECEIVED

NOV 30 2007

**WATER RESOURCES DEPT
SALEM, OREGON**

Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
1	3	SEE WELL LOG							
2			180 FEET		180 FEET				200 FEET
			(UNKNOWN UNTIL DRILLED)						

Note: Well numbers in this listing must correspond to well locations(s) shown on accompanying map.

If well log is not available, or well is not yet constructed, you must provide: proposed total depth, depth of casing and seal, and the anticipated perforation and open intervals.

C. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

N/A

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: N/A
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M**
- If your proposed use is **commercial/industrial**, attach **Form Q**

RECEIVED

NOV 30 2007

WATER RESOURCES DEPT
SALEM, OREGON

B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	LOG ATTACHED - IRR.		582.9	2,014,848.00	1325
2	(NOT DRILLED YET)		897.6	3,102,105.60	UNKNOWN

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 1.29875 CFS 1-Well
 (The fees for your application will be based on this amount.) 2.0 CFS 2-Well

D. Period of Use

Indicate the time of year you propose to use the water: MARCH 1 - OCTOBER 31
 (For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: 263.9
 (This number should be consistent with your application map.)

5. WATER MANAGEMENT**A. Diversion**

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

- ☒ Pump (give horsepower and pump type): WELL #1 - 60 H.P. BOWLS WELL #2 - NOT DEVELOPED
☐ Other means (describe): _____

B. Transport

How will you transport water to your place of use?

- ☐ Ditch or canal (give average width and depth):

Width _____ Depth _____

Is the ditch or canal to be lined? ☐ Yes ☒ No

- ☒ Pipe (give diameter and total length): WELL #1 - 1178 FT
WELL #1 - 10" 1178 FT.
 Diameter WELL #2 - NOT DEVELOPED Length WELL #2 - NOT DEVELOPED

- ☐ Other (describe) _____

RECEIVED

NOV 30 2007

C. Application/Distribution Method

What equipment will you use to apply water to your place of use? CENTER PIVOT + WELL #1
WELL #2. CENTER PIVOT GATED PIPE

Irrigation or land application method (check all that apply):

☐ Flood

☐ High-pressure sprinkler

☒ Low pressure sprinkler

☐ Drip

☐ Water cannons

☒ Center pivot system

☐ Hand lines

☐ Wheel lines

☒ Siphon tubes or gated pipe with furrows - WELL #1

☐ Other, describe _____

WELL #1
&
WELL #2

Distribution method

☒ Direct pipe from source

☐ In-line storage (tank or pond)

☐ Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

WELL #1 - CENTER PIVOT, LOW PRESSURE TWO 3 SPRINKLERS, GATED PIPE
RATHER THAN OPEN FLOOD

WELL #2 - CENTER PIVOT, LOW PRESSURE TWO 3 SPRINKLERS

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: WELL #1 - COMPLETED 7/26/07 WELL #2 - ^{UPON APPROVAL}_{OF APPLICATION}

Proposed date construction will be completed: WELL #1 - COMPLETED 7/26/07 WELL #2 - ^{UPON APPROVAL}_{OF APPLICATION}

Proposed date beneficial water use will begin: WELL #1 - COMPLETED 7/26/07 WELL #2 - ^{UPON APPROVAL}_{OF APPLICATION}

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

#3 - THERE IS NO LIVE WATER; SPRINGS, CREEKS, RUN OFF
ON ANY OF THE PROPERTY THAT WE ARE APPLYING
FOR WATER RIGHTS

RECEIVED

NOV 30 2007

WATER RESOURCES DEPT
SALEM, OREGON

Ground Water/5

G-16973

8. MAP REQUIREMENTS

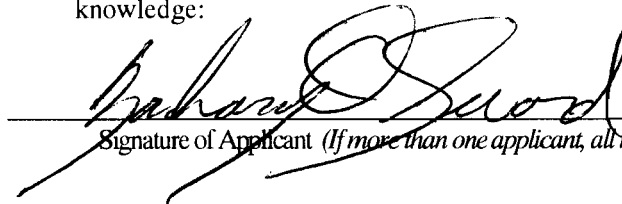
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

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 packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- 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 canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:


Signature of Applicant (If more than one applicant, all must sign.)

11-28-07

Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

RECEIVED

NOV 30 2007

**WATER RESOURCES DEPT
SALEM, OREGON**

G-16973



Oregon Water Resources Department

FORM I FOR IRRIGATION WATER USE

1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

☒ **Primary** ☐ **Supplemental**

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 263.9 Acres

Secondary: _____ Acres

List the permit or certificate number of the primary water right: No. _____

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

- | | | |
|-------------------|---|--|
| 1. <u>ALFALFA</u> | ☒ Full season | ☐ Partial season (from: _____ to _____) |
| 2. _____ | ☐ Full season | ☐ Partial season (from: _____ to _____) |
| 3. _____ | ☐ Full season | ☐ Partial season (from: _____ to _____) |
| 4. _____ | ☐ Full season | ☐ Partial season (from: _____ to _____) |

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

791.7 acre-feet

(1 acre-foot equals 12 inches of water spread over 1 acre, or 43,560 cubic feet, or 325,851 gallons.)

4. How will you schedule your applications of water? Will you be applying water in the evenings, twice a week, daily?

☐ Daily during daytime hours

☐ Daily during nighttime hours

☐ Two or three times weekly during daytime

☐ Two or three times weekly during nighttime

☐ Weekly, during daytime hours

☐ Weekly, during nighttime hours

☒ Other, explain: AS NECESSARY

RECEIVED

NOV 30 2007

WATER RESOURCES DEPT
SALEM, OREGON

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 proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): 3.010.

Land uses to be served by 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.

RECEIVED

NOV 30 2007

**WATER RESOURCES DEPT
SALEM, OREGON**

Name: DANIEL JOHNSON Title: PLANNING ASSISTANT
Signature: [Signature] Phone: (503) 573-8174 Date: 29 Nov 07
Government Entity: HARNEY COUNTY

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: _____



Oregon Water Resources Department Land Use Information Form

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) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: ZACHARY SWORD
Mailing Address: PO BOX 3002
City: PRINCETON State: OR Zip: 97721 Day Phone: 541-493-2563

This application is related to a Measure 37 claim. ☐ Yes ☐ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. 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	1/4 1/4	Tax Lot #	Plan Designation (e.g. Rural Residential/RR-5)	Water to be:			Proposed Land Use:
26	34	29	ALL	3300 & 3500	IRR.	☒ Diverted	☒ Conveyed	☒ Used	IRRIGATION
26	34	30	ALL	3600	IRR	☒ Diverted	☒ Conveyed	☒ Used	IRRIGATION
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, or used. HARNEY

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 ☐ Exchange of Water
☐ Allocation of Conserved Water ☐ Limited Water Use License
☐ Permit Amendment or Ground Water Registration Modification

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

Estimated quantity of water needed: 3.29875 ☒ 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: CENTER PIVOT SYSTEM, LOW PRESSURE SPRINKLERS USED TO IRRIGATE ALFALFA

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

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

RECEIVED

NOV 30 2007

WATER RESOURCES DEPT
SALEM, OREGON

WARRANTY DEED

The true and actual consideration for this conveyance, stated in terms of dollars, is \$581,500.00.

PATSY L. CRONIN, as Trustee of the CHARLES A. BECKLEY RESIDUARY FUND TRUST, as to an undivided ½ interest, and as Successor Trustee of the GLADYS BECKLEY 1996 FAMILY TRUST, as to an undivided ½ interest, is the Grantor. ZACHARY O. SWORD is the Grantee. Grantor conveys and warrants to Grantee the real property located in Harney County, Oregon, and more particularly described in Exhibit "1" attached hereto, free of encumbrances except as specifically set forth therein.

"THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930."

DATED this 6th day of February, 2002.

Patsy L. Cronin, Trustee
PATSY L. CRONIN, Trustee

STATE OF OREGON)

County of Harney)

) ss.

Personally appeared the above named PATSY L. CRONIN and acknowledged the foregoing instrument to be her voluntary act and deed before me this 6th day of February, 2002.



Terri Jo Morgan
Notary Public for Oregon
My Commission Expires: 12-19-02

AFTER RECORDING RETURN TO:

AmeriTitle
111 W. Washington
Burns, Oregon 97720

SEND TAX STATEMENTS TO:

Zachary O. Sword
PO Box 3002
Princeton, OR ~~97322~~ 97721

RECEIVED

NOV 30 2007

WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
County of Harney
I certify that the foregoing instrument was received
for record on this 6th day of February, 2002, at Princeton, Oregon, and
recorded on this 6th day of February, 2002, at Princeton, Oregon, in the
County of Harney, Oregon.
By: Terri Jo Morgan, Notary Public

CAUTIONARY NOTICE ABOUT LIENS*—Under certain circumstances, a person who performs construction-related activities may claim a lien upon real property after a sale to the purchaser for a transaction or activity that occurred before the sale. A valid claim may be asserted against the property that you are purchasing even if the circumstances that give rise to that claim happened before your purchase of the property. This includes, but is not limited to, circumstances where the owner of the property contracted with a person or business to provide labor, material, equipment or services to the property and has not paid the persons or businesses in full.

*Required by ORS 93.125(1)(c).

WARRANTY DEED-1-

Larry Sullivan ■ P.O. Box 220 ■ Vale, OR 97918 ■ (541)473-3141

INSTRUMENT # 2002 0261

EXHIBIT "1"
(Cronin/Sword)

Land in Harney County, Oregon, as follows:

In Twp. 26S., R. 34 E., W.M.:

Sec. 27: SW $\frac{1}{4}$ SW $\frac{1}{4}$.

Sec. 28: S $\frac{1}{2}$ S $\frac{1}{2}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ N $\frac{1}{2}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$.

Sec. 29: SE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$.

Sec. 30: SE $\frac{1}{4}$, N $\frac{1}{2}$.

Sec. 32: NE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$.

Sec. 33: N $\frac{1}{2}$ N $\frac{1}{2}$.

Sec. 34: NW $\frac{1}{4}$ NW $\frac{1}{4}$.

In Twp. 29 S., R. 32 E., W.M:

Sec. 22: E $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, SAVE AND EXCEPT a strip of land 30 feet in width along the North side thereof, reserved for road purposes, all being in Harney County, Oregon.

Code No. 4-2 Map No. 26S 34E Tax Lot 3300 Ref. No. 10820

Code No. 4-2 Map No. 26S 34E Tax Lot 3500 Ref. No. 10821

Code No. 4-2 Map No. 26S 34E Tax Lot 3600 Ref. No. 10824

Code No. 4-2 Map No. 26S 34E Tax Lot 3700 Ref. No. 10822

Code No. 4-2 Map No. 26S 34E Tax Lot 3800 Ref. No. 11062

Code No. 7-2 Map No. 29S 32E Tax Lot 300 Ref. No. 15007

INCLUDING the mobile home on the property.

INCLUDING all water rights appurtenant to the property.

SUBJECT TO THE FOLLOWING EXCEPTIONS:

1. AS DISCLOSED by the tax roll the premises herein described have been zoned or classified for farm use. At any time that said land is disqualified for such use, the property will be subject to additional taxes or penalties and interest.
2. RIGHTS OF THE PUBLIC in streets, roads and highways.
3. THE EFFECT if any of as shown by Abandonment of Highway Resolution, recorded December 2, 1975, in Book 99, Page 602, Deed Records.
4. Reservations and exceptions in patent, charges and assessments of any taxing district or districts within the boundaries of which said premises are situate, roadway pole line and ditch easements, if any, and zoning ordinances, if any.

RECEIVED

NOV 30 2007

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.

RECEIVED

WATER WELL REPORT

STATE OF OREGON

NOV - 4 1977

(Please type or print)

(Do not write above this line)

WATER RESOURCES DEPT.

SALEM, OREGON

State Well No.

2165/34E-6cc

State Permit No.

G-8269

1977

(1) OWNER:

Name

D.V. Doman

Address

Princeton, 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 ☒

12" Diam. from 0 ft. to 60 ft. Gage 1250
" 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? J. Rossburg

Yield: 1500 gal./min. with 22 ft. drawdown after 10 hrs.

Ball 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
25 ft

Well sealed from land surface to ft.

Diameter of well bore to bottom of seal 16 in.

Diameter of well bore below seal 12 in.

Number of sacks of cement used in well seal 11 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 Harney

Driller's well number

SW 1/4 SW 1/4 Section 6 T. 26S. R. 34 E W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 35 ft.

Static level 35 ft. below land surface. Date May 14, 1977

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12"

Depth drilled 175 ft. Depth of completed well 165 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	
Hard pan Brown hard	2	25	
Blue clay soft	15	17	
Brown clay soft	17	19	
Blue clay soft	19	40	35
Blue shale w/course sand	40	45	
Sm gravel with sand	45	50	
fine			
Med gravel clay mix	50	65	
Sm gravel sand clay mix	65	100	
Brown clay soft	100	160	
fine Brown sand	160	175	

Work started May 6 1977 Completed May 14 1977

Date well drilling machine moved off of well May 16 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] D.V. Doman Date 1977

(Drilling Machine Operator)

Drilling Machine Operator's License No. Property owner

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 D.V. Doman Property owner

(Person, firm or corporation)

(Type or print)

Address Princeton, Oregon

[Signed] D.V. Doman

(Water Well Contractor)

Contractor's License No. Date 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP#45658-119

G-16973

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)

APR 3 1978

State Well No.

State Permit No.

WATER RESOURCES DEPT.

M. OREGON

(1) OWNER:

Name Nevin Thompson
Address Princeton, Oreg.

(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 ☒

12" Diam. from 0 ft. to 102'4" ft. Gage 1250
" 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? Self

Yield: 1000 gal./min. with 50 ft. drawdown after 3 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 Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 16 in.
Diameter of well bore below seal 12 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 Harney Driller's well number
SW 1/4 NE 1/4 Section 34 T. 26 R. 34 W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 70 ft.

Static level 50 ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12

Depth drilled 112 ft. Depth of completed well 112 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	3	
Yellow clay	3	50	
Red clay	50	80	70
Fine gravel, coarse sand, pumice	80	90	70
Cinder rock - red	90	105	70
Gray basalt	105	110	70
Loose cinder red	110	112	50

Work started 5/16 1977 Completed 6/17 1977

Date well drilling machine moved off of well 6/17 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] John W. Thorshagen Date 6/17 1977
(Drilling Machine Operator)

Drilling Machine Operator's License No. 269

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 Stassberg & Son
(Person, firm or corporation) (Type or print)

Address Crane, Oregon

[Signed] John W. Thorshagen
(Water Well Contractor)

Contractor's License No. 272 Date 6/17 1977

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 WATER WELL REPORT

NOV 4 1977

STATE OF OREGON

(Please type or print)

State Well No.

State Permit No.

WATER RESOURCES DEPT.

(1) OWNER:

Name D.V. Doman
Address Princeton 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 ☒
12" Diam. from 0 ft. to 214 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used Factory
Size of perforations 3/16 in. by 3 in.
10,680 perforations from 39 ft. to 214 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: 1000 + gal./min. with 18 ft. drawdown after 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:

Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 22 in.
Diameter of well bore below seal 22 in.
Number of sacks of cement used in well seal 27 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: 3/4 minus

Gravel placed from 20 ft. to 214 ft.

(10) LOCATION OF WELL:

County Harney Driller's well number
SE 1/4 NE 1/4 Section 6 T. 26S. 34E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 23 ft.

Static level 35 ft. below land surface. Date 4/21/75

Artesian pressure 214 lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well 214 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
Clay, Brown, Hard	0	15	
Sand, Fine, Brown	15	23	
Sand med unconsol	23	24	
Clay Brown, Hard	24	26	
Clay, Silty, Brown SPT	26	28	35 ft
Sandstone, light med	28	52	
Lava, grey, hard	52	78	
Sand med unconsol.	78	94	
Sandstone Brown, hard	94	142	
med grain			
Sandstone coarse + inter-bedded w/ coarse sand	142	214	

Work started 4/6 19 75 Completed 4/21 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] G. E. Richardson Date May 3, 19 75
(Drilling Machine Operator)

Drilling Machine Operator's License No. 738

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 Desert drilling co.
(Person, firm or corporation) (Type or print)

Address

[Signed] Charles E Stodel
(Water Well Contractor)

Contractor's License No. 519 Date May 15, 19 75

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) STATE ENGINEER

(Do not write above this line) SALEM, OREGON

State Well No.

265/34E-5a

State Permit No.

(1) OWNER:

Name RAY SOPHIE
Address PRINCETON, RT.
BURNS OREGON 97720

(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 ☒
12" Diam. from 0 ft. to 214 ft. Gage 1250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☒ Yes ☐ No.
Type of perforator used FACTORY
Size of perforations 3/16 in. by 3 in.
10,680 perforations from 39 ft. to 214 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: 1000 gal./min. with 18 ft. drawdown after 4 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 Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 22 in.
Diameter of well bore below seal 22 in.
Number of sacks of cement used in well seal 27 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: 3/4 MINUS
Gravel placed from 20 ft. to 214 ft.

(10) LOCATION OF WELL:

County HARNEY Driller's well number
NE 1/4 4 1/4 Section 5 T. 26 R. 34E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 23 ft.
Static level 30 ft. below land surface. Date 4/21/75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing
Depth drilled 214 ft. Depth of completed well 214 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
CLAY, BROWN, HARD	0	15	
SAND, FINE, BROWN	15	23	30 ft
CLAY, BROWN, HARD	23	24	
SAND, MED, UNCONSOL	24	26	
CLAY, BROWN, SILTY, SOFT	26	28	
SANDSTONE, LIGHT, MED	28	52	
LAVA, GRAY, HARD	52	78	
SAND, MED, UNCONSOL	78	94	
SANDSTONE, BR, HARD	94	142	
MED. GRAIN			
SANDSTONE, HARD			
COARSE & interbedded			
COARSE SAND	142	214	

Work started 4/16 1975 Completed 4/21 1975
Date well drilling machine moved off of well 4/18 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] H. E. Richardson Date May 3, 1975
(Drilling Machine Operator)

Drilling Machine Operator's License No. 738

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 DESERT DRILLING CO.
(Person, firm or corporation) (Type or print)

Address

[Signed] Charles E. Stokeli
(Water Well Contractor)

Contractor's License No. 519 Date MAY 15, 1975

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45856-119

RECEIVED
APR 7 1960

File Original and
First Copy with the
STATE ENGINEER,
SALEM, OREGON

STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

1431
WATER

State Well No.

26/34-29 C(1)

State Permit No.

(1) OWNER:

Name Charles A. Beckley
Address Princeton Oregon

(2) LOCATION OF WELL:

County HARNEY Owner's number, if any—
1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner

Northwest quarter (NW 1/4)
in Section 129 Township
34th E. 1st N. Harney
County Oregon

(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:

12" Diam. from 0 ft. to 68 1/2 ft. Gage 1" well
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? ☒ Yes ☐ No
Type of perforator used Torch
SIZE of perforations 7/8 in. by 4 in.
perforations from 5-5 ft. to 6-5 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.
Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Was well gravel packed? ☒ Yes ☐ No Size of gravel: 3/4"
Gravel placed from 0 ft. to 6-4 ft.
Was a surface seal provided? ☒ Yes ☐ No To what depth? 5 ft.
Material used in seal—Cement
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 3.2 ft. below land surface Date 3/25/60
Artesian pressure lbs. per square inch Date

Accepted by:

Signed Chas. A. Beckley Date April 4, 1960
(Owner)

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller
Yield: 1000 gal./min. with 8" drawdown after 12 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

(12) WELL LOG:

Diameter of well 12 inches.
Depth drilled 165 ft. Depth of completed well 160 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 & hard pan	0	15
Gray clay	15	45
Sand stone	45	60
Gravel	60	64
Hard Black lava rock	64	70
Sand stone & clay mixed	70	115
Decomposed rock	115	135
Basaltic rock	135	145
First water at 40 ft. big flow comes in at 130 ft thru clay.		

Work started 3/14/ 1960 Completed 3/25 1960

(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 John W. Rossberg
(Person, firm, or corporation) (Type or print)
Address Box 1443 Burns, Oregon
Driller's well number
[Signed] John W. Rossberg
(Well Driller)
License No. 272 Date 4/4/ 1960

ORIGINAL
File Original and
Duplicate with the
STATE ENGINEER
SALEM, OREGON

RECEIVED
JAN 31, 1956

WATER WELL DRILLERS REPORT

STATE OF OREGON

Do Not Use Well No.

Fill In

State Permit No.

G. 29

(1) OWNER:

Name

Address

(2) LOCATION OF WELL:

County Harney Owner's number, if any—

R. F. D. or Street No.

Bearing and distance from section or subdivision corner

135 74 5 88 57 E from
center of sec. 6 TWP 26 S. R
34 E.W.N. lying in NE SE said sec.

(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) EQUIPMENT:

Rotary ☐

Cable ☒

Dug Well ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☒

If gravel packed

FROM ft. to ft. Diam. Gage of Well

Top of ground 165 " 14 " 7 in.

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

SCREENS:

Give Manufacturer's Name, Model No. and Size

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☒ No

If yes, note depth of strata

FROM ft. to ft.

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

" " " "

METHOD OF SEALING

(9) WATER LEVELS:

Depth at which water was first found 31 to 43 ft.

Standing level before perforating ft.

Standing level after perforating ft.

Log Accepted by:

[Signed] Henry Fitchett 1-27, 1956

Owner

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom? The driller

Yield: gal./min. with ft. draw down " " hrs.

" 1000 " 15 " 5 "

" " " " " "

" " " " " "

Artesian flow g.p.m.

Shut-in pressure lbs. per square inch.

Bailer test g.p.m. with ft. drawdown

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Diameter of well, 14 inches.

Total depth 297 ft. Depth of completed well 297 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.

0 ft. to 1 ft. topsoil

1 " 15 " brown clay with some sand

15 " 25 " quicksand

25 " 31 " blue shale

31 " 43 " blue sandstone with water

43 " 94 " light shale with occasional streaks

94 " 102 " brown clay with sand & gravel, & some

102 " 122 " blue shale

122 " 144 " brown clay with sand & gravel & some

144 " 146 " yellow clay with sand & gravel

146 " 165 " sand & gravel with water

165 " 290 " coarse gravel

290 " 297 " brown sticky clay

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

Ground elevation at well site 4850 feet above mean sea level.

Work started Aug 9 1955. Completed Sept 7 1955

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 FORREST SKINNER

(Person, firm, or corporation) (Typed or printed)

Address Ontario Rt. 2 Oregon

Driller's well number

[Signed] Forrest Skinner

(Well Driller)

License No. 45 Dated 1956

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 26/34-6J(1)
COUNTY Harney
APPLICATION NO. G-118

OWNER: Henry and Ramona Fitchett

MAILING
ADDRESS:

LOCATION OF WELL: Owner's No.

CITY AND

STATE: Grana, Oregon

NE 1/4 SE 1/4 Sec. 6 T. 26 N. R. 34 E. W.M.

Bearing and distance from section or subdivision

corner S. 88° 57' E. 1357' from center of Section 6

Altitude at well 4127'

TYPE OF WELL: Drilled Date Constructed Aug.-Sept. 1955

Depth drilled 297 Depth cased 165

Section 6

CASING RECORD:

14-inch set from 0 to 165 feet

FINISH:

Open hole below casing

AQUIFERS:

Sand and gravel

WATER LEVEL:

PUMPING EQUIPMENT: Type _____ H.P. _____
Capacity _____ G.P.M.

WELL TESTS:

Drawdown 15 ft. after 5 hours pumping 1,000 G.P.M.

Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Irrigation Temp. _____ °F. _____ 19

SOURCE OF INFORMATION Well Drillers report

DRILLER or DIGGER Forest Skinner

ADDITIONAL DATA:

Log X Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

ORIGINAL
File Original and
Duplicate with the
STATE ENGINEER,
SALEM, OREGON

RECEIVED

WATER WELL REPORT

26/34-1957 6500 1957

APR 17 1957

STATE OF OREGON

OBSERVATION WELL 399

(1) OWNER:

Name L. E. Jones STATE ENGINEER SALEM, OREGON

Address 8039 - Loring Ave.

Castro Valley, Calif.

(2) LOCATION OF WELL:

County Harney Owner's number, if any—

1/4 1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner

40' S and 60' W From NE Cor. of NW SE

of S 19 TWP 26 S. R. 34 E. W. M.

B. 80' S. 30' 27' W From NE Cor. of NW SE

of Sec 19 TWP 26 S. R. 34 E. W. M.

TYPE OF WORK (check):

Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
Redonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

otic ☐ Industrial ☐ Municipal ☐
ion ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☒

14 " Diam. from 0 ft. to 46 ft. Gage 10

" 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.

3/8 perforations from 2.5 ft. to 3.5 ft.

perforations from 5.5 ft. to 6.5 ft.

perforations from _____ ft. to _____ ft.

perforations from _____ ft. to _____ ft.

perforations from _____ ft. to _____ ft.

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.

CONSTRUCTION:

Well gravel packed? ☐ Yes ☒ 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 ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

(10) WATER LEVELS:

Static level 32 ft. below land surface Date 4/12/57

Artesian pressure _____ lbs. per square inch Date _____

Log Accepted by:

[Signed] L. E. Jones Date April 15, 1957

(Owner)

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Jack McBlure

Yield: 1100 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

(12) WELL LOG:

Diameter of well 14 inches.

Depth drilled 130 ft. Depth of completed well _____ 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
DIRT	0	16
YELLOW CLAY	16	31
GRAVEL WATER	31	33
YELLOW CLAY	33	44
GRAVEL	44	64
ROCK LAYERS	64	88
YELLOW CLAY	88	122
RIVER SAND	122	130

Work started 3/15/57 Completed 4/12/57

(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 McBlure

(Person, firm, or corporation)

(Type or print)

Address C.R. 2 N.E. OREGON

Driller's well number dante no

[Signed] Jack McBlure

(Well Driller)

License No. 124 Date 4/12/57

State Well No. 26/34 - 19 K(1)
County Harney
Application No. G500

OWNER: L.E. Jones OWNER'S NO. _____
Description of measuring point: MP' Top of casing, 0.5' above LSD.
MP 2 Lip of access pipe 1.5' above LSD.

[illegible]

REMARKS:

HARN 51378

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

WELL I.D. # L 84781

START CARD # 189047

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number _____
Name Zach Sword
Address 526 95 Hwy 78
City Princeton State Or Zip 97720

(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 176 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
30"	0	20	Grout	0	20	40
24"	20	176				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other Runned

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from 0 ft. to 176 ft. Size of gravel 3/4" Pca

(6) CASING/LINER
Diameter From To Gauge Steel Plastic Welded Threaded
Casing: 24" 71 19 .280 ☒ ☐ ☐ ☐
Liner: 14" H 176 .250 ☒ ☐ ☐ ☐

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
91'	166	1/8	2400	14"		☐	☒

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1325	60'	140	6 min

Temperature of water 54° Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes ☒ No By whom _____
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: 80'

(9) LOCATION OF WELL (legal description)
County Polk
Tax Lot 3300 Lot _____
Township 26 N or S Range 34 E or W WM
Section 29 SW 1/4 SW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL
32 ft. below land surface. Date 6-27-07
_____ 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
90 166 1325 32

(12) WELL LOG Ground Elevation _____
Material From To SWL
Top Soil 0 3
Brown Clay 3 32
Blue Clay 32 53
Brown Clay 53 100 32
Rock with Cinders 100 176
RECEIVED
JUL 27 2007
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 5-2-07 Completed 6-27-07

(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 _____ Date _____

Signed _____

(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 1752 Date 7-26-07

Signed Kenneth E. Smith

HARN 51378

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)WELL I.D. # L 84781START CARD # 189047

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Zach Sword Well Number _____
Name Zach Sword
Address 52695 Hwy 78
City Princeton State Or Zip 97720(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 176 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds
30"	0	20	Concrete	0	20	40
24"	20	176				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other ReamedBackfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from 0 ft. to 176 ft. Size of gravel # 10(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 24"	0	19	.260	☒	☐	☐	☐
Liner: 14"	19	176	.250	☒	☐	☒	☐

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
41'	166	1/8"	2400	14"		☐	☒

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1325	60"	140	6 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? no ☐ Too little☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____Depth of strata: 80'

(9) LOCATION OF WELL (legal description)

County Clatsop
Tax Lot 3300 Lot _____
Township 26 N or S Range 34 E or W WM
Section 29 SW 1/4 SW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL

32 ft. below land surface. Date 6-27-07_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES

Depth at which water was first found		Estimated Flow Rate	SWL
From	To		
90	166	1325	32

(12) WELL LOG

Material	From	To	SWL
Top Soil	0	3	
Brown Clay	3	32	
Blue Clay	32	53	
Orange Clay	53	100	32
Rock with cracks	100	176	

RECEIVED

RECEIVED

JUL 27 2007

NOV 30 2007

WATER RESOURCES DEPT SALEM, OREGON

Date Started 5-2-07 Completed 6-27-07

(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 _____ Date _____

Signed _____

(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 1752 Date 7-26-07Signed Kenneth E. Smith

WORK
COPY

WELL #1

HARN 51378

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

WELL I.D. # L 84781

START CARD # 189047

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number _____
Name Zach Sword
Address 526 95 Hwy 78
City Princeton State Or Zip 97720

(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 176 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds	
30"	0	20	Grout	0	20	40	
24"	20	176					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other Placed
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from 0 ft. to 176 ft. Size of gravel 3/4" Rca

(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 24"	0	19	.260	☒	☐	☐	☐
Liner: 14"	19	176	.250	☒	☐	☐	☐

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
91'	166	1/8"	2400	14"		☐	☒

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1325	60"	140	6 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? no ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: 80'

(9) LOCATION OF WELL (legal description)
County Clatsop
Tax Lot 3300 Lot _____
Township 26 N or S Range 134 E or W WM
Section 29 SW 1/4 SW 1/4
Lat _____° _____' _____" or _____ (degrees or decimal)
Long _____° _____' _____" or _____ (degrees or decimal)
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL
32 ft. below land surface. Date 6-27-07
_____ 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
90	166	1325	32

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Top Soil	0	3	
Brown Clay	3	32	
Blue Clay	32	53	
Brown Clay	53	100	32
Rock with Cinders	100	176	

RECEIVED RECEIVED
JUL 27 2007 NOV 30 2007
WATER RESOURCES DEPT WATER RESOURCES DEPT
SALEM, OREGON SALEM, OREGON
Date Started 5-2-07 Completed 6-27-07

(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 _____ Date _____
Signed _____

(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 1752 Date 7-26-07
Signed Kenneth E. Smith

RECEIVED

Near Well #2 site

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

SEP 10 1997

WELL ID # L16802

WATER RESOURCES DEPT.

(START CARD) # 098463

Instructions for completing this report are on the last page of this form.

SALEM, OREGON

(1) OWNER:

Name Teresa Maaske Well Number _____
Address PO Box 2016
City Princeton State OR Zip 97721

(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 275 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
10	0	18	Bentonite	0	18	9 Sacks

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other poured dry & tamped

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	255	250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
Liner:				☐	☐	☐	☐
				☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☒ Perforations Method factory cut
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
251	255	1/2 x 3/4	24	6		☒	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing
Yield gal/min 30 Drawdown 20 Drill stem at 42 Time 1 hr.

Temperature of water 57° Depth Artesian Flow Found _____

Was a water analysis done? ☒ No ☐ Yes By whom _____

Did any strata contain water not suitable for intended use? ☐ Too little

☒ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: 54 to 240

(9) LOCATION OF WELL by legal description:

County Harney Latitude _____ Longitude _____
Township 26 S N or S Range 34 E E or W. WM.
Section 30 SW 1/4 SW 1/4
Tax Lot 390 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Highway 78 New Princeton

(10) STATIC WATER LEVEL:

16 ft. below land surface. Date 8-24-97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 54'

From	To	Estimated Flow Rate	SWL
250	275	20	16

(12) WELL LOG:

Material	From	To	SWL
clay loam topsoil	0	1	
clay gm	1	29	
clay green	29	35	
clay gray	35	54	
clay stone soft	54	65	16
clay gray	65	78	
clay brn	78	85	
sand blk med	85	100	16
clay gray	100	115	
clay stone sand	115	130	16
clay gray	130	150	
clay sand	150	200	16
clay gray	200	223	
sand blk	223	240	16
clay gray	240	250	
sand fine gray	250	275	16

Date started 8-14-97 Completed 8-23-97

(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 1424

Signed Timothy K. Rely Date 9-7-97