

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

Water Resources Department
Water Rights Services Division
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
ph (503) 986-0900
fx (503) 986-0904



January 28, 2015

Transmittal

Subject: Application for a Permit to Use Ground Water – attached.

Transmitted

Qua. Description

-
- | | |
|---|--|
| 1 | Form, Application for a Permit to Use Ground Water, – 12pages |
| 1 | Document, Attachment A page 2/3, <i>Land Use Information Land and Location</i> , – 1pages |
| 1 | Document, Attachment B, <i>legal description of property</i> , – 1pages |
| 1 | Document, Attachment C, <i>permit application fee calculations</i> , – 1pages |
| 1 | Check, \$4,600, permit application fee |
| 1 | Map, <i>location of proposed water source(s) and area(s) of use</i> , – 1pages |
| 1 | Document, Attachment D, Reference: prior permit G-13457, <i>Initial Review Determinations</i> , – 5pages |
| 1 | Document, Attachment E, Reference: prior permit G-13457, <i>Proposed Final Order</i> , – 10pages |
| 1 | Document, Attachment F, Reference: prior permit G-13457, <i>as issued</i> , – 4pages |
| 1 | Document, Attachment G, <i>well logs for township T24S R22E</i> , – 5pages |
-

Best Regards,

Phil Hammack

HAMAK Corporation
1516 NW 5th Street
Bend, OR 97701
(541)385-6728

G-17990

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

RECEIVED BY OWRD

JAN 30 2015

Water-Use Permit Application Processing

SALEM, OR

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 \$350.00 for the applicant and \$700.00 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.

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

RECEIVED BY OWF

JAN 30 2015

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

HAMAK CORPORATION

NAME	PHILIP HAMMACK			PHONE (HM)	SALEM, OR
PHONE (WK)	(541) 385-6728		CELL	(503) 880-4094	
ADDRESS	1516 NW 5TH STREET				
CITY	BEND	STATE	OR	ZIP	97701
E-MAIL*	hamak@bendbroadband.com				

Organization Information

NAME				PHONE	FAX
ADDRESS	N/A				CELL
CITY		STATE	ZIP	E-MAIL*	

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

AGENT / BUSINESS NAME				PHONE	FAX
ADDRESS	N/A				CELL
CITY		STATE	ZIP	E-MAIL*	

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.)

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

PHILIP HAMMACK-PRESIDENT

Print Name and title if applicable

1/26/2015

Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use

App. No. G-17990

Permit No.

Date

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*).

N/A

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.

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	N/A *		
# 2			
# 3			
# 4			

→ * MARKED N/A ON ADVICE OF WATER MASTER 12, BRIAN MAYER BECAUSE OF GREAT DISTANCE.

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*).

THIS APPLICATION IS BEING MADE TO REPLACE OUR PRIOR VOLUNTARILY CANCELLED PERMIT, REFERENCE APPLICATION #G-14608 & PERMIT #G-13457. THE REQUESTED METRICS ARE THE SAME AS BEFORE FOR THE SAME PROPERTY. PLEASE SEE ATTACHMENTS D, E & F: INITIAL REVIEW DETERMINATIONS, PROPOSED FINAL ORDER & WATER PERMIT G-13457 RESPECTIVELY.

RECEIVED BY CWRD

JAN 30 2015

SECTION 3: WELL DEVELOPMENT, CONTINUED

SALEM, OR

Total maximum rate requested: 6.75 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below). TOTAL ANNUAL ACRE-FEET VOLUME = 1,620 *****

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the 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 to obtain the necessary information.

02251-19

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	☒	☐	N/A	☐	14"	+2-400	200-400	0-40	N/A	PREDOMINANTLY BASALT OR BASIN FILL SEDIMENT ▲	400	1,515 *****	810 *****
#2	☒	☐	↓	☐	↓	↓	↓	↓	↓	↓	↓	↓	↓
#3	☒	☐	↓	☐	↓	↓	↓	↓	↓	↓	↓	↓	↓
#4	☒	☐	↓	☐	↓	↓	↓	↓	↓	↓	↓	↓	↓
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

* 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.

***** PLEASE SEE NOTE 10.1, IN SECTION 10: REMARKS, FOR DESCRIPTION ON RADIAL MAIN-LINE INTERTIE, ANNUAL WATER VOLUMES, NORMAL AND WELL ROTATION OPERATIONS.

▲ PLEASE SEE NOTE 10.2, IN SECTION 10: REMARKS

Revised 2/1/2012 Ground Water/5 WR

JAN 30 2015

SECTION 4: WATER USE

SALEM, OR

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
IRRIGATION	MARCH 1 THROUGH OCTOBER 31	1,620

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: 539.96 Acres Supplemental: 0 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: 1,620

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

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): 50-100HP±, VERTICAL TURBINE PUMP

☐ Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. CONVEY WATER THROUGH RADIAL MAINLINE PIPE ARRAY. NORMAL OPERATION: EACH PIVOT IS SUPPLIED BY ADJACENT WELL. IE. WELL 1 → PIVOT 1, WELL 2 → PIVOT 2, ETC. ATYPICAL OPERATION: A WELL SERVING OTHER OR MORE THAN ONE PIVOT BECAUSE OF MECHANICAL EMERGENCY, OR AS DIRECTED BY OFFICIAL.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)

LOW PRESSURE PIVOTS WITH END GUNS.

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. THE WATER IS NEEDED TO OPERATE THE PIVOTS FOR CROP PRODUCTION. INDUSTRY TYPICAL SOIL MOISTURE FEEDBACK MEASUREMENT METHODS WILL BE EMPLOYED ALONG WITH TOTALIZING FLOW MEASUREMENT FOR EFFICIENT CONSERVATION.

JAN 30 2015

SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

SALEM, OR

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: N/A Acreage inundated by reservoir: N/A

Use(s): N/A

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

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

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): N/A

USE OF STORED GROUND WATER	PERIOD OF USE
<u>N/A</u>	

SECTION 8: PROJECT SCHEDULE

Date construction will begin: AS SOON AS POSSIBLE AFTER PERMIT HAS BEEN ISSUED.

Date construction will be completed: WITHIN FIVE YEARS OF PERMIT ISSUANCE.

Date beneficial water use will begin: CLAIM OF BENEFICIAL USE WITHIN ONE YEAR AFTER COMPLETION OF CONSTRUCTION.

SECTION 9: WITHIN A DISTRICT NO - NONE

☐ 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	<u>N/A</u>		Address
City	State	Zip	

SECTION 10: REMARKS

SALEM, OR

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

Notes:

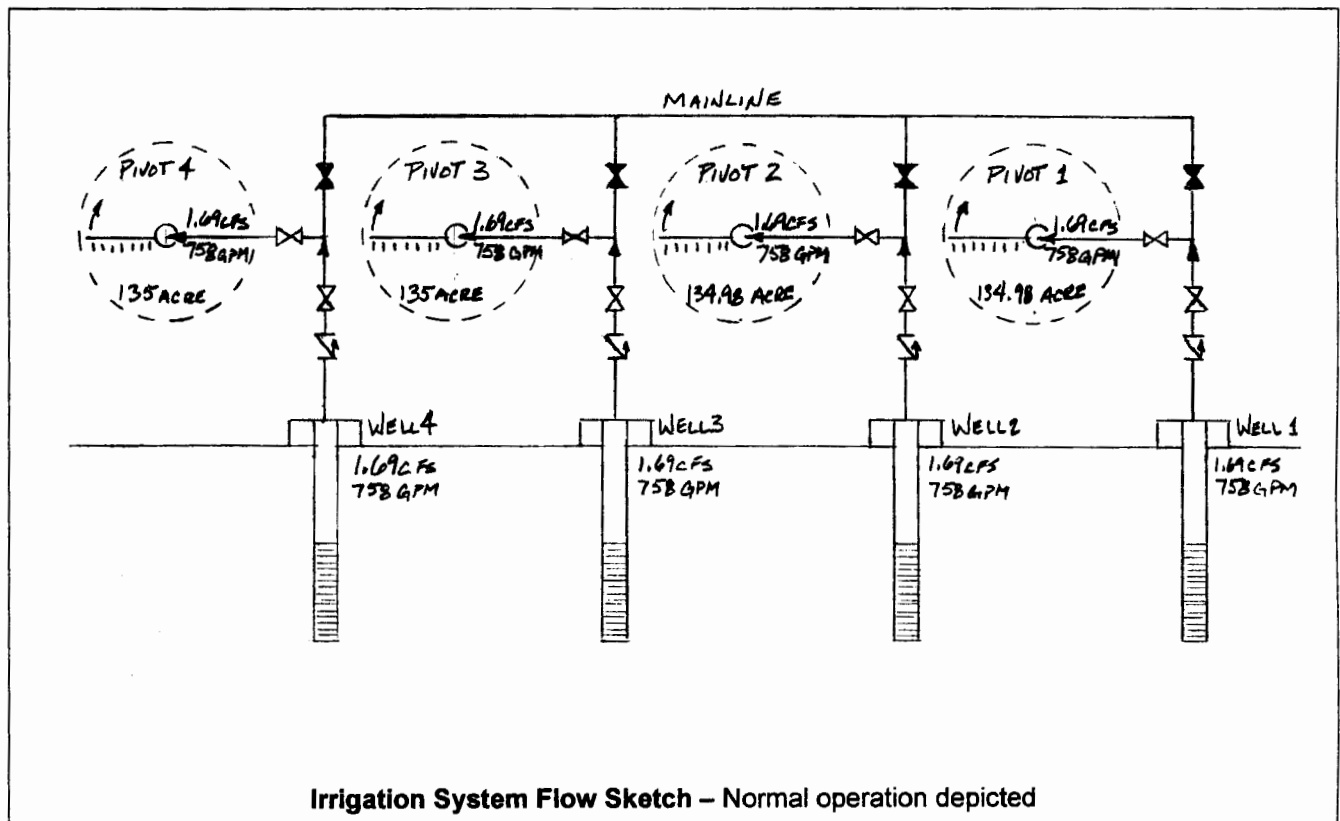
10.1 The completed irrigation system is planned to be four pivots and four wells interconnected along a mainline in a radial layout. Under normal operating conditions each pivot would only be supplied with water from its adjacent similarly numbered well and with the mainline valved-out.

i.e. Well 1 supplies Pivot 1, Well 2 supplies Pivot 2, Well 3 supplies Pivot 3 and Well 4 supplies Pivot 4.

During times of a pump(s) or well(s) emergency, the problem area(s) would be valved-out for repair. To maintain irrigation to the impacted pivot(s) during the repair period the mainline would be employed with any or all of the unaffected wells at temporarily increased flow rate(s) necessary to make the system total. Another abnormal condition utilizing the mainline would be to react to and implement any official diversion or rotation directions. Thus, the approved flow rate capacity for each well would need to reflect this higher than normal flow rate ability so as to meet these conditions. The atypical flow rate range for each well greater than normal would be between +33.32% minimum to +100% maximum, or 2.25cfs (1,010gpm) and 3.375cfs (1,515gpm) respectively.

Therefore each well is asked to be approved for a flow rate of 3.375cfs (1,515gpm) versus the 1x pivot flow rate of 1.69cfs (758gpm).

Regardless of which supply configuration implemented, the individual pivots and system total flow rates would remain the same. That being 1.69cfs (758gpm) each pivot and 6.75cfs (3,029gpm) total system with 1,620acre-feet annual volume.



10.2 Local geophysical data is inadequate to aid in forming a clear opinion on whether the well(s) will predominantly develop water from the basalt or basin fill sediment aquifers. There are only four existing wells of record within the township and none are representative – well logs attached, attachment G.

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

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

NOTE TO APPLICANTS

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.

ATTACHMENT "A" 1/3

Land Use

Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1000
(503) 986-0900
www.wrd.state.or.us

RECEIVED BY OWRI

JAN 30 2015

Applicant: HAMIAK CORPORATION

Applicant: PHILIP
First

HAMMACK
Last

SALEM, OR

Mailing Address: 1516 NW 5TH STREET

BEND
City

OR
State

97701
Zip

Daytime Phone: 503 880-4094

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	1/4 1/4	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
24S	22E	21	*A1	1600	EFL	☐ Diverted	☒ Conveyed	☒ Used	IRRIGATION
↓	↓	22	*A2	↓	↓	☐ Diverted	☒ Conveyed	☒ Used	↓
↓	↓	27	*A3	↓	↓	☐ Diverted	☒ Conveyed	☒ Used	↓
						☐ Diverted	☐ Conveyed	☐ Used	

[* SEE NEXT PAGE, ATTACHMENT "A" PAGE 2/3.]

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

LAKE COUNTY

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: 6.75 ☒ 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:

THE PLAN IS TO DRILL WELLS, IRRIGATION OF 539.96 ACRES OF CROPS

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.

See bottom of Page 3. →

JAN 30 2015

SALEM, OR

ATTACHMENT "A" 2/3A. LAND AND LOCATION - CONTINUED

THE PLACE OF USE IS LOCATED AS FOLLOWS:

#A1

NE 1/4 SW 1/4 33.75 ACRES
SE 1/4 SW 1/4 33.75 ACRES
NE 1/4 SE 1/4 33.76 ACRES
NW 1/4 SE 1/4 33.75 ACRES
SW 1/4 SE 1/4 33.75 ACRES
SE 1/4 SE 1/4 33.74 ACRES

SECTION 21 ←

#A2

NE 1/4 SW 1/4 33.76 ACRES
NW 1/4 SW 1/4 33.76 ACRES
SW 1/4 SW 1/4 33.74 ACRES
SE 1/4 SW 1/4 33.73 ACRES
NW 1/4 SE 1/4 33.76 ACRES
SW 1/4 SE 1/4 33.73 ACRES

SECTION 22 ←

#A3

NW 1/4 NE 1/4 33.78 ACRES
SW 1/4 NE 1/4 33.71 ACRES
NE 1/4 NW 1/4 33.78 ACRES
SE 1/4 NW 1/4 33.71 ACRES

SECTION 27 ←

→ TOWNSHIP 24 SOUTH, RANGE 22 EAST, W.M. ←

TAX LOT 1600

LAKE COUNTY
OREGON

JAN 30 2015

For Local Government Use Only

SALEM, OR

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): LAKE COUNTY ZONING ORD. ART. 3
- ☐ 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.

Name: DAVID JOHNSON JR. Title: PLANNING DIRECTOR

Signature: [Signature] Phone: 541-947-6036 Date: 21 Jan 2015

Government Entity: LAKE COUNTY PLANNING DEPT.

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: _____

ATTACHMENT "B"

091014

MEMORANDUM OF SALE

00282104

BE IT REMEMBERED that on the 2nd day of July, 1997,
LAKE COUNTY, a political subdivision of the State of Oregon,
Seller, did enter into a contract of sale with

RECEIVED

Hamak Corporation

Purchaser, conveying the following described real property from
Seller to Purchaser, which real property is more particularly
described as follows:

JAN 30

Account No. 2422-1600 Reference No. 155 Sale No. 1921
Twp. 24 South, Range 22 EWM., Sec. 21: E1/2SW1/4; SE1/4, Sec.
22: SW1/4; W1/2SE1/4, Sec. 27: W1/2NE1/4; E1/2NW1/4

SALEM, OR

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
TIMBER PRACTICES AS DEFINED IN ORS 30.930.

The true consideration for this transfer is \$ 27,100.00.

After recording, this memorandum should be sent to
Purchaser. Until a change is requested, all tax statements shall
be sent to Purchaser at the following address:

Hamak Corporation

1516 NW 5th

Bend, OR 97701

DATED this 2 day of July, 1997.

Robert M. Pardue
Robert M. Pardue

Kathleen J. Collins
Kathleen J. Collins

Jane O'Keefe
Jane O'Keefe SELLER

Hamak Corporation - President
Philip Hamack
Phil Hamack
PURCHASER



STATE OF OREGON, County of Lake) ss.

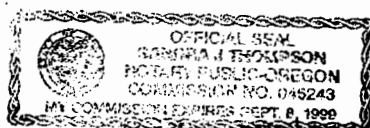
This instrument was acknowledged before me on July 2
1997, by Robert M. Pardue, Kathleen J. Collins and Jane O'Keefe
and acknowledged the foregoing instrument to be their voluntary
act and deed.

Karen O'Connor
Notary Public for Oregon
My Commission Expires: 1-9-98

STATE OF OREGON, County of Deschutes) ss.

This instrument was acknowledged before me on June 30
1997, by Philip Hamack and acknowledged the
foregoing instrument to be his voluntary act and deed.

Sandra J. Thompson
Notary Public for Oregon
My Commission Expires: Sept 8, 1999



State of Oregon, County of Lake File 2104 Recd 28

I hereby certify that the within document was received and filed for
record on the 7 day of August 1997 at 9:45 o'clock
A. M. and recorded on Page 116 in Book 238 of said County.

Woods
Karen O'Connor County Clerk by [Signature]

G-17880



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

January 2, 1998

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

PHILIP HAMMACK
HAMAK CORP.
1516 NW 5TH
BEND, OREGON 97701

COPY
OF
PHASE ONE
PERMIT
PROCESSING

Reference: File G-14608

Dear Applicant:

**THIS IS NOT A PERMIT AND IS
SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.**

This letter is to inform you of the favorable preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The proposed use is not prohibited by law or rule.
2. The use of water from FOUR WELLS IN LOST CREEK VALLEY for IRRIGATION OF 540.0 ACRES is allowable under OAR 690-513-060(2), the Summer Lakes Subbasin of the Goose & Summer Lakes Basin Program.
3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.
4. The Department has also determined, based upon available data, that the use of groundwater in the amount of 6.75 CUBIC FEET PER SECOND (3028.0 GALLONS PER MINUTE), BEING 1.686 CFS (757.0 GPM) EACH FROM WELL 1, WELL 2, WELL 3 AND WELL 4 for IRRIGATION OF 540.0 ACRES available if properly conditioned, will not injure existing rights or the groundwater resource.

G-17990

JAN 30 2015

Summary of Initial Determinations

SALEM, OR

The use of 6.75 CUBIC FEET PER SECOND (3028.0 GALLONS PER MINUTE), BEING 1.686 CFS (757.0 GPM) EACH FROM WELL 1, WELL 2, WELL 3 AND WELL 4 from FOUR WELLS IN LOST CREEK VALLEY for IRRIGATION OF 540.0 ACRES is allowable from March 1 through October 31 of each year.

Because of these favorable determinations, the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **Friday, January 16, 1998**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. Measurement, recording and reporting conditions:
 - A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
 - B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

RECEIVED BY OWRD

2. You will be required to comply with state and federal water quality standards.
3. The priority date for this application is September 15, 1997.
4. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
5. To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

JAN 30 2015

SALEM, OR

Measurements must be made according to the following schedule:

Before Use of Water Takes Place

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

After Use of Water has Begun

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the

RECEIVED BY OWRD ATTACHMENT "D" 4/5

JAN 30 2015

Department.

SALEM, OR

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

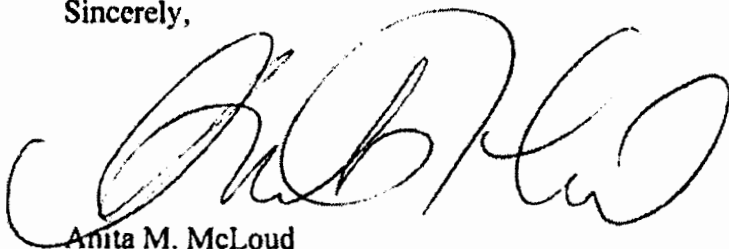
- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at (800) 624-3199 or (503) 378-8455 extension 499. Feel free to call me at (800) 624-3199 or (503) 378-8455 extension 229 if you have any questions regarding the contents of this letter. Please have your application number available if you call.

Sincerely,



Anita M. McLoud
Water Rights Specialist

cc: Regional Manager, Watermaster District 12, Water Availability Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form

G-14608
wab 13-
pou 13-
gwr

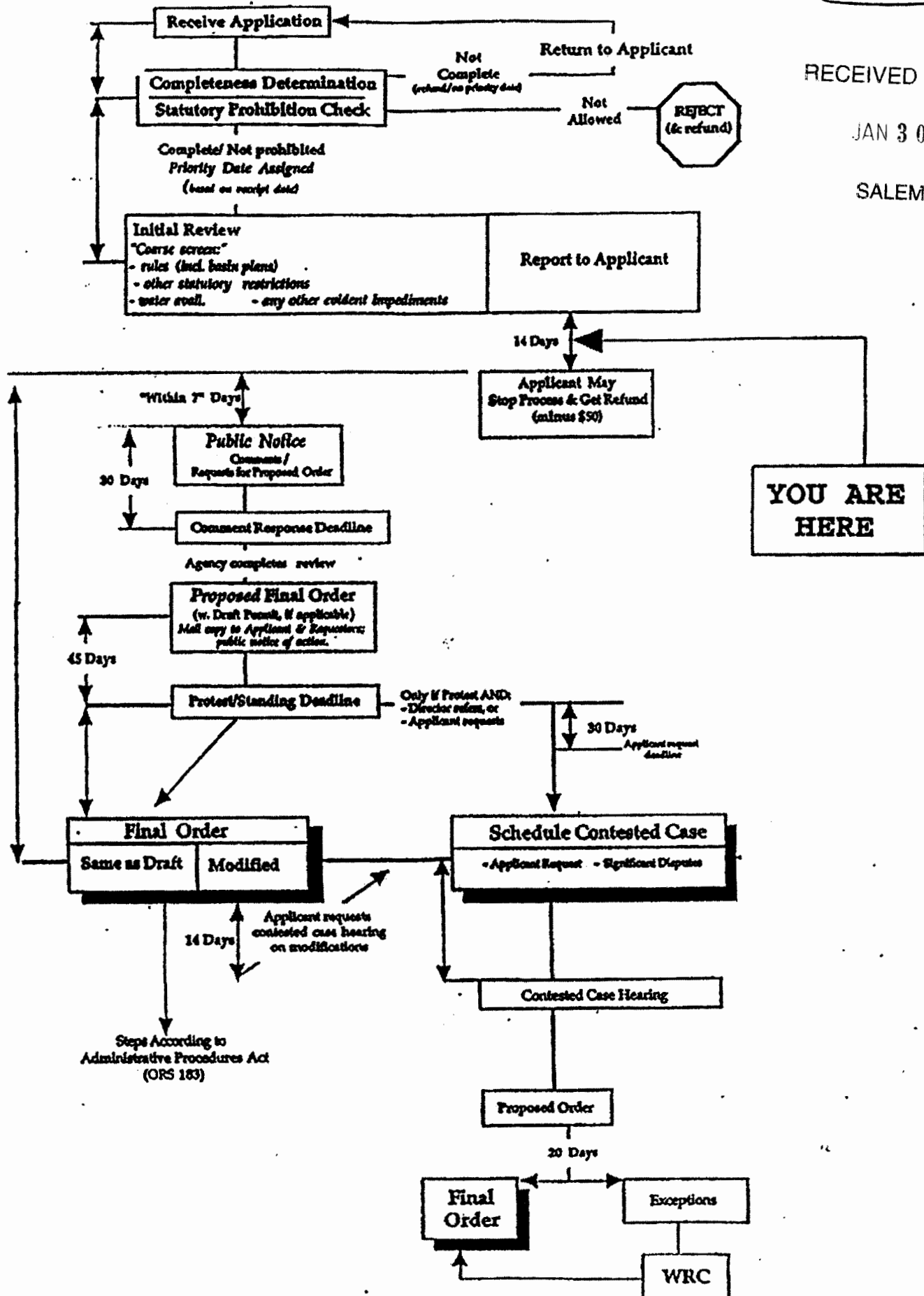
Water Right's Application Process

ATTACHMENT "D" 5/5

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR



Oregon

COPY OF
PROPOSED
- DRAFT -
FINAL ORDER**Applicant's Notice of Proposed Final Order
Regarding Application for a Water Use Permit**

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

WATER
RESOURCES
DEPARTMENT

This notice is to inform you of the decision made on your application(s) for water use and describe some of your options. Based on the information from your application and comments generated, the Department has issued a Proposed Final Order. Basically, the Proposed Final Order is how the Department understands your request, how it fits into Oregon Water Law and how the decisions were reached.

Read both the Proposed Final Order and the Draft Water Use Permit carefully!

Items the Department suggests you pay special attention to:

1. Review the period water is available very carefully. The season of use you have requested may be more than the months water is available. There may also be a rate and duty assigned which is less than you have requested.
2. General conditions you should be aware of:
 - A). Measuring and Reporting may be required. If so, you would have to measure on a monthly basis and report that use annually. Inspect the Draft Permit to see what category your use fits.
 - B). Fish Screens may be required. The out of stream diversions will be required to meet ODFW specifications for adequate protection of aquatic life. The Draft Permit should specify this item, if not contact your local office of the Department of Fish and Wildlife.

There are three main reasons the Department is informing you of these conditions:

1. Regulatory actions to shut off junior users or users that do not have a permit for the full season are expensive. Further, if the Department is taking a regulatory action, a senior user has already been negatively impacted.
2. More importantly to you, investments in distribution systems are expensive. If your use will be regulated annually without your gaining beneficial use from the water, it is not likely that certification of the permit to a full water right will occur.
3. If a curtailment plan or an alternative water supply is needed, you should implement one of these options. You may want to identify which option you are going to take. This may prevent conflicts with other users.



Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

ATTACHMENT "E" 2/10

**Oregon Water Resources Department
Water Rights Division**

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

Water Rights Application
Number G-14608

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On September 15, 1997, HAMAK CORP., PHILIP HAMMACK, submitted an application to the Department for the following water use permit:

- Amount of Water: 3028 GPM (6.75 CFS), BEING 757.0 GPM (1.69 CFS) FROM EACH OF WELLS 1, 2, 3, & 4
- Use of Water: IRRIGATION OF 539.96 ACRES (PER APPLICATION MAP)
- Source of Water: FOUR WELLS IN LOST CREEK VALLEY
- Area of Proposed Use: LAKE County within SECTION 21, SECTION 22, SECTION 27, TOWNSHIP 24 SOUTH, RANGE 22 EAST, W.M.

On 1/2/98, the Department mailed the applicant notice of its Initial Review, determining that "The use of 6.75 CUBIC FEET PER SECOND (3028.0 GALLONS PER MINUTE), BEING 1.686 CFS (757.0 GPM) EACH FROM WELL 1, WELL 2, WELL 3 AND WELL 4, from FOUR WELLS IN LOST CREEK VALLEY for IRRIGATION OF 540.0 ACRES is allowable from March 1 through October 31 of each year." The applicant did not notify the Department to stop processing the application within 14 days of that date.

On 1/20/98, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- comments by or consultation with another state agency
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use

JAN 30 2015

ATTACHMENT "E" 3/10

SALEM, OR

Application G-14608

- pending senior applications and existing water rights of record
- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

Findings of Fact

The Goose & Summer Lakes Basin Program allows the following uses:
IRRIGATION.

FOUR WELLS IN LOST CREEK VALLEY are not within or above a State Scenic Waterway.

An assessment of water availability has been completed by the Department's groundwater section. A copy of this assessment is in the file. This assessment determined that water is available for further appropriation March 1 through October 31, the irrigation season.

The Department finds that the amount of water requested, 6.75 CFS, being 1.69 CFS from each of wells 1, 2, 3, AND 4, is allowable.

The proposed well is not within a designated critical ground water area.

The Department determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.

The Groundwater Section finds that there is NOT a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the Goose & Summer Lakes Basin Plan.

No preference for this use is granted under the provisions of ORS 536.310(12).

JAN 30 2015

ATTACHMENT "E" 4/10

SALEM, OR

Application G-14608

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use complies with the State Agency Agreement for land use.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
 - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
 - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

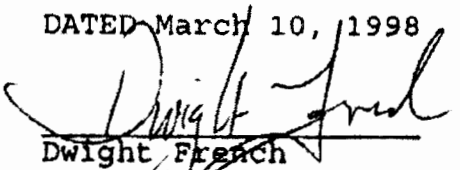
ATTACHMENT "E" 5/10

Application G-14608

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED March 10, 1998


Dwight French
Water Rights Section Manager

If you have any questions,
please check the information
box on the last page for the
appropriate names and
phone numbers.

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

Protest Rights and Standing

Under the provisions of 537.621(7), you have the right to protest this proposed final order. Your protest must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the \$200 protest fee required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.
- Persons other than the applicant who support the proposed final order may request standing for the purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order.
- Requests for standing shall meet the requirements described in OAR 690-310-160 and shall be accompanied by the \$50.00 standing fee established under ORS 536.050.

Your protest or request for standing must be received in the Water Resources Department no later than April 24, 1998.

ATTACHMENT "E" 6/10

Application G-14608

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and if

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Russell W. Klassen. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me toll free within Oregon at 1-800-624-3199 extension 266. Outside of Oregon you can dial 1-503-378-8455.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Adam Sussman. His extension number is 262.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 499.

RECEIVED BY OWRD

RWK - WEEK 137

JAN 30 2015

SALEM, OR

ATTACHMENT "E" 7/10

DRAFT

This is not a permit!!!

DRAFT

STATE OF OREGON

RECEIVED BY OWRD

COUNTY OF LAKE

JAN 30 2015

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

SALEM, OR

THIS DRAFT PERMIT IS HEREBY ISSUED TO

HAMAK CORP., PHILIP HAMMACK
1516 NW 5TH
BEND, OREGON 97701

(541)385-6728

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-14608

SOURCE OF WATER: FOUR WELLS IN LOST CREEK VALLEY

PURPOSE OR USE: IRRIGATION OF 539.96 ACRES

MAXIMUM RATE: NOT TO EXCEED A MAXIMUM CUMULATIVE TOTAL OF 6.75 CUBIC FOOT PER SECOND(CFS), BEING 1.69 CFS FROM EACH OF WELLS 1,2,3,AND 4

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: SEPTEMBER 15, 1997

POINT OF DIVERSION LOCATION: SW 1/4 SE 1/4, SE 1/4 SE 1/4, SECTION 21,
NW 1/4 SE 1/4, SECTION 22, NE 1/4 NW 1/4, SECTION 27, T24S, R22E, W.M.;
WELL 4 - 1315 FEET NORTH AND 2631 FEET WEST; WELL 3 - 1310 FEET NORTH
AND 10 FEET WEST; WELL 2 - 1330 NORTH AND 2631 FEET EAST; WELL 1 - 1315
FEET SOUTH AND 2630 FEET EAST ALL FROM THE SE CORNER SECTION 21

The amount of water used for irrigation under this right, together with
the amount secured under any other right existing for the same lands, is
limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or
its equivalent) and 3.0 acre-feet for each acre irrigated during the
irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE 1/4 SW 1/4 33.75 ACRES
SE 1/4 SW 1/4 33.75 ACRES
NE 1/4 SE 1/4 33.76 ACRES
NW 1/4 SE 1/4 33.75 ACRES
SW 1/4 SE 1/4 33.75 ACRES
SE 1/4 SE 1/4 33.74 ACRES
SECTION 21
NE 1/4 SW 1/4 33.76 ACRES
NW 1/4 SW 1/4 33.76 ACRES
SW 1/4 SW 1/4 33.74 ACRES

ATTACHMENT "E" 8/10

PAGE 2

SE 1/4 SW 1/4 33.73 ACRES
NW 1/4 SE 1/4 33.76 ACRES
SW 1/4 SE 1/4 33.73 ACRES

SECTION 22

NW 1/4 NE 1/4 33.78 ACRES
SW 1/4 NE 1/4 33.71 ACRES
NE 1/4 NW 1/4 33.78 ACRES
SE 1/4 NW 1/4 33.71 ACRES

SECTION 27

TOWNSHIP 24 SOUTH, RANGE 22 EAST, W.M.

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

Before Use of Water Takes Place**Initial and Annual Measurements**

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

RECEIVED BY OWRD ATTACHMENT "E" 9/10

JAN 30 2015

PAGE 3

After Use of Water has Begun

SALEM, OR

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

ATTACHMENT "E" 10/10

JAN 9 2015

SALEM, OR

PAGE 4

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance. Complete application of the water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 199_

DRAFT - THIS IS NOT A PERMIT

Water Resources Department
Director

Application G-14608
Basin 13
RWK- WEEK 137

Water Resources Department
Volume 1 BASIN 13 MISC
MGMT.CODE 7BG, 7BR, 7CG, 7CR

PERMIT DRAFT
District 12

ATTACHMENT "F" 1/4

STATE OF OREGON

COUNTY OF LAKE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

HAMAK CORP., PHILIP HAMMACK
1516 NW 5TH
BEND, OREGON 97701

(541)385-6728

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-14608

SOURCE OF WATER: FOUR WELLS IN LOST CREEK VALLEY

PURPOSE OR USE: IRRIGATION OF 539.96 ACRES

MAXIMUM RATE: NOT TO EXCEED A MAXIMUM CUMULATIVE TOTAL OF 6.75 CUBIC FOOT PER SECOND(CFS), BEING 1.69 CFS FROM EACH OF WELLS 1,2,3, AND 4

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: SEPTEMBER 15, 1997

POINT OF DIVERSION LOCATION: SW 1/4 SE 1/4, SE 1/4 SE 1/4, SECTION 21, NE 1/4 SW 1/4, SECTION 22, NE 1/4 NW 1/4, SECTION 27, T24S, R22E, W.M.; WELL 4 - 1320 FEET NORTH AND 2631 FEET WEST; WELL 3 - 1320 FEET NORTH AND 10 FEET WEST; WELL 2 - 1320 NORTH AND 2631 FEET EAST; WELL 1 - 1320 FEET SOUTH AND 2631 FEET EAST ALL FROM THE SE CORNER SECTION 21

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE 1/4 SW 1/4 33.75 ACRES
SE 1/4 SW 1/4 33.75 ACRES
NE 1/4 SE 1/4 33.76 ACRES
NW 1/4 SE 1/4 33.75 ACRES
SW 1/4 SE 1/4 33.75 ACRES
SE 1/4 SE 1/4 33.74 ACRES

SECTION 21

NE 1/4 SW 1/4 33.76 ACRES
NW 1/4 SW 1/4 33.76 ACRES
SW 1/4 SW 1/4 33.74 ACRES
SE 1/4 SW 1/4 33.73 ACRES
NW 1/4 SE 1/4 33.76 ACRES
SW 1/4 SE 1/4 33.73 ACRES

SECTION 22

Application G-14608 Water Resources Department

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

PERMIT G-13457

RECEIVED BY OWRD

NW 1/4 NE 1/4 33.78 ACRES

SW 1/4 NE 1/4 33.71 ACRES

NE 1/4 NW 1/4 33.78 ACRES

SE 1/4 NW 1/4 33.71 ACRES

SECTION 27

TOWNSHIP 24 SOUTH, RANGE 22 EAST, W.M.

JAN 30 2015

SALEM, OR

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

Before Use of Water Takes Place

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

After Use of Water has Begun

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first

Application G-14608 Water Resources Department

PERMIT G-13457

of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include

Application G-14608 Water Resources Department

PERMIT G-13457

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

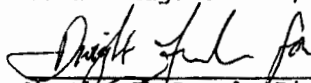
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin by June 22, 1999. Complete application of water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued August 12, 1998


Martha O. Pagel, Director
Water Resources Department

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

Application G-14608
Basin 13
RWK

Water Resources Department
Volume 1 BASIN 13 MISC
MGMT.CODES 7BG 7BR 7CG 7CR

PERMIT G-13457
District 12

WELL LOGS
FOR
T24S R22E

RECEIVED BY OWRD
LAKE 51431

ATTACHMENT "G" 1/5

JAN 30 2015

ATTACHMENT "G"

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

SALEM, OR

WELL I.D. # L 65233
START CARD # 155557

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

(1) LAND OWNER

Name John Kopser Well Number _____
Address PO Box 173
City Brothers State OR Zip 97712

(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 490
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
20	0	18	Cement	0	18	24 sacks
12	18	400				
6	400	490				

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

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	12	24	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

	Yield gal/min	Drawdown	Drill stem at	Flowing Artesian
	20	43	300	☒ Air ☐ Artesian

Temperature of water 60° 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: _____

(9) LOCATION OF WELL by legal description:

County Lake Latitude _____ Longitude _____
Township 24S N or S Range 22E E or W. WM.
Section 7 NW 1/4 SE 1/4
Tax Lot 500 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Stouffer Rd

(10) STATIC WATER LEVEL:

257 ft. below land surface. Date 9-2-03
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

From	To	Estimated Flow Rate	SWL
331	490	300	257

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Sandy loam topsoil	0	1	
clay brn	1	8	
boulders/clay/sand	8	76	
cinders red	76	96	
rock red	96	182	
rock grey basalt	182	219	
rock brn vesicular	219	252	
rock grey basalt	252	331	
conglomerate multicolored	331	415	257
plumice grey	415	475	257
rock basalt fractured	475	490	257

RECEIVED

SEP 09 2003

WATER RESOURCES DEPT
SALEM, OREGON

Date started 6-11-03 Completed 9-2-03

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WVC 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.

WVC Number 1424
Signed Timothy K. Riley Date 9-3-03

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 24/22-18H(1)
COUNTY Lake
APPLICATION NO. _____

OWNER: John Pausch

MAILING
ADDRESS: _____

LOCATION OF WELL: Owner's No. _____

CITY AND
STATE: _____

SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18 T. 24 S., R. 22 E., W.M.

Bearing and distance from section or subdivision

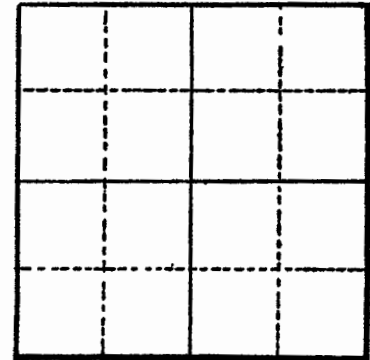
corner _____

Altitude at well 4650 (USGS Report)

TYPE OF WELL: Drilled Date Constructed _____

Depth drilled 400 Depth cased 400

CASING RECORD: 6 inch



Section 18

RECEIVED BY OWRD

JAN 30 2015

FINISH: _____

SALEM, OR

AQUIFERS: Sand and creviced basalt

WATER LEVEL: 290' Feb. 14, 1949

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

WELL TESTS:

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

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

USE OF WATER Domestic & stock Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION USGS Report page 12

DRILLER or DIGGER _____

ADDITIONAL DATA:

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

REMARKS: Basalt encountered at about 30 feet

LAKE 52262

LAKE 52262

Page 1 of 1

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

08-27-2010

WELL LABEL # L 101267

START CARD # 205023

(1) LAND OWNER Owner Well I.D. _____
First Name Ed Last Name Fisher
Company _____
Address 4457 Medina sc
City salem State or Zip 97317

(2) TYPE OF WORK ☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other

(4) PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Community
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION Special Standard ☐ (Attach copy)
Depth of Completed Well 372.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
12	0	38	Bentonite Chips	0	38	18	S
8	38	372					

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

☒ Other poured dry

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER		Casing Liner		Dia		+ From To		Gauge		Stl Plstc		Wld Thrd	
☒	☐	8	☒	1.5	38.5	.250	☒	☐	☐	☒	☐	☒	☐
☐	☐	6	☐	12	372	.188	☐	☐	☐	☐	☐	☐	☐

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method mech

Screens Type _____ Material _____

Perf	Casing/Screen	Liner	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/pipe size
Perf	Liner	6	352	372	125	3	166		

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
25		370	1

Temperature 56 °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Lake Twp 24.00 S N/S Range 22.00 E E/W WM

Sec 21 NE 1/4 of the NE 1/4 Tax Lot 1500

Tax Map Number _____ Lot _____

Lat _____ " or _____ DMS or DD

Long _____ " or _____ DMS or DD

☐ Street address of well ☐ Nearest address

east of bnd hwy 20 mi. marker 76

(10) STATIC WATER LEVEL

Existing Well / Proddening	Date	SWL(psi)	+ SWL(ft)
Completed Well	08-11-2010		296

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 320'

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
08-11-2010	300	372	25		296

(11) WELL LOG

Ground Elevation _____

Material	From	To
brn clay soil	0	12
sand gravel	12	27
dk brn clay congl.	27	205
fract grey lava	205	300
red cinder congl	300	372

RECEIVED

RECEIVED BY OWRD

NOV 03 2010

JAN 30 2015

WATER RESOURCES DEPT
SALEM, OREGON

SALEM, OR

Date Started 08-11-2010 Completed 08-11-2010

(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.

License Number _____ Date _____

Electronically Filed

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.

License Number 1568 Date 08-27-2010

Electronically Filed

Signed DAVID KUHN (E-filed)

Contact info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

Salem, Oregon

ATTACHMENT "G" 4/5

COUNTY _____

APPLICATION NO. _____

OWNER: Ben DeWitt

MAILING ADDRESS: _____

LOCATION OF WELL: Owner's No. _____

CITY AND STATE: _____

SW 1/4 NW 1/4 Sec. 23 T. 24 S., R. 22 E., W.M.

Bearing and distance from section or subdivision

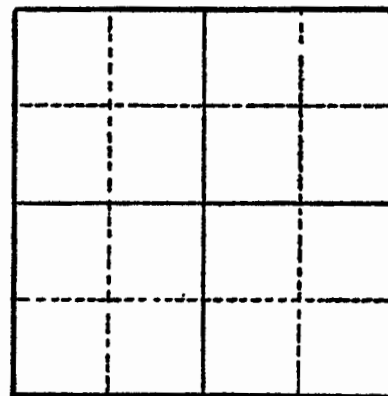
corner _____

Altitude at well 4655 (USGS Report)

TYPE OF WELL: Drilled Date Constructed _____

Depth drilled 375 Depth cased 375

CASING RECORD: 6 inch



Section 23

RECEIVED BY OWRD

JAN 30 2015

SALEM, OR

FINISH: _____

AQUIFERS: Sand, gravel, and "rock"

WATER LEVEL: 300 feet, Feb. 14, 1949

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

WELL TESTS:

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

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

USE OF WATER Domestic & stock Temp. _____ °F., 19 _____

SOURCE OF INFORMATION USGS Report Page 14

DRILLER or DIGGER _____

ADDITIONAL DATA:

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

REMARKS: _____

Wagner

State Well No. 24/22-23E(1)
County Lake
~~Application No. _____~~

Owner: Ben DeWitt Owner's No. _____
Driller: Sid Minerlin Date Drilled 1947

[illegible]