



Water Solutions, Inc.

August 10, 2015

Tim Wallin
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application for a Permit to Use Groundwater

Dear Tim:

On behalf of the applicant, Otley Bros. Inc., please find enclosed an Application for a Permit to Use Groundwater. Please also find enclosed a check in the amount of \$4,600 for payment of the application filing fee.

If you have any questions regarding the enclosed application, you can reach me at (541) 257-9001.

Sincerely,
GSI Water Solutions, Inc.

A handwritten signature in black ink, appearing to read "Adam Sussman", is written over the typed name.

Adam Sussman *for*
Principal Water Resources Consultant

Enclosures: Application for a Permit to Use Groundwater
Check in the amount of \$4,600

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WATER RESOURCES DEPT
SALEM, OREGON

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.owrd.state.or.us

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Water-Use Permit Application Processing

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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 97301-2400
(503) 986-1000
www.wrd.state.or.us

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SECTION 1: APPLICANT INFORMATION AND SIGNATURE

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SALEM, OREGON

Applicant Information

NAME		PHONE (HM)	
PHONE (WK)	CELL	FAX	
ADDRESS			
CITY	STATE	ZIP	E-MAIL*

Organization Information

NAME OTLEY BROS. INC.		PHONE 541-493-2702	FAX 541-493-2813
ADDRESS 40926 S DIAMOND LN		CELL 541-589-2143	
CITY DIAMOND	STATE OR	ZIP 97722	E-MAIL* FREDOTLEY@HOTMAIL.COM

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

AGENT / BUSINESS NAME GSI WATER SOLUTIONS, INC.		PHONE 541-257-9001	FAX 541-754-4211
ADDRESS 1600 SW WESTERN BLVD., SUITE 240		CELL	
CITY CORVALLIS	STATE OR	ZIP 97333	E-MAIL* ASUSSMAN@GSIWS.COM

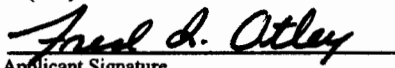
Note: Attach multiple copies as needed

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

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

Fred I. Otley, President
Print Name and title if applicable

08/06/2015
Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use		
App. No. <u>G-10129</u>	Permit No. _____	Date _____

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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.

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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. (See Attachment B.)

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	Donner Und Blitzen	More than 1 mile	N/A
2	Donner Und Blitzen	More than 1 mile	N/A
3	Donner Und Blitzen	More than 1 mile	N/A
4	Donner Und Blitzen	More than 1 mile	N/A
5	Donner Und Blitzen	More than 1 mile	N/A

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*).

The existing and planned irrigation supply wells are located within a small east-facing valley west of the Donner und Blitzen River drainage. Four wells are completed within water-bearing zones hosted by alluvial, volcanoclastic and lacustrine sediments. All of the wells and future well locations are greater than 1 mile from the river, and more than 6 miles from the nearest other agricultural land irrigated from groundwater. Several exempt use domestic and stock wells are present within 1 to 3 miles of the proposed development. OWRD recently established a groundwater observation point at one of the nearer domestic wells, owned by the Malheur National Wildlife Refuge. This well (HARN 51382) is located in the SE1/4-NW1/4 of Section 10, approximately 4,500' from the proposed development and wells. OWRD well reports for the existing wells are attached.

SECTION 3: WELL DEVELOPMENT, CONTINUED

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Total maximum rate requested: 5.33 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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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. **See well logs in Attachment D**

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)
BV 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	10 in	40 ft	none	none	32 ft 2012	Claystone			
BV 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	109045	<input type="checkbox"/>	14 in	40 ft	none	none	27 ft 2012	Claystone			
BV 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	109043	<input type="checkbox"/>	14 in	60 ft	none	none	35 ft 2012	Claystone			
BV 4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	109042	<input type="checkbox"/>	14 in	40 ft	none	none	29 ft 2012	Claystone			
BV 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	14 in	60 ft	none	none		Claystone			
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* 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.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 through September 30	1278 acre-feet

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: 426 Acres Supplemental: Acres
 List the Permit or Certificate number of the underlying primary water right(s): N/A
 Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 1278 acre-feet

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households:

If the use is **mining**, describe what is being mined and the method(s) of extraction:

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SECTION 5: WATER MANAGEMENT

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A. Diversion and Conveyance

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

Pump (give horsepower and type): 100 hp, 60 hp, 60 hp, and 30 hp turbine pumps and 7.5 hp submersibal

Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Groundwater will be appropriated from up to five wells. Water will be conveyed in mainlines from the wells to center of five pivots and to other movable small water application systems.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) Five low pressure center pivots with some other small drip, wheel line, and sprinkler pods.

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 amount of water requested is the amount needed to grow alfalfa during a dry summer to feed livestock during the winter months. Totalizing flow meters will be installed at each well to measure annual water withdrawals from each well. Soil water depth and water use will be monitored to prevent runoff and infiltration below the root zone to minimize waste. No riparian, wetland or aquatic systems exist on the property. The area to be irrigated is over a mile from the nearest aquatic and riparian habitats

and natural flows from the cultivated area do not occur even during extreme precipitation events
Consequently, adverse impacts to water quality are not anticipated.

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SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

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*). **N/A – the Applicant does not propose to store groundwater in a reservoir.**

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Reservoir name: _____ Acreage inundated by reservoir: _____

Use(s): _____

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

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

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR

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*). **N/A – the Applicant does not propose to store groundwater or use stored groundwater.**

Annual volume (acre-feet): _____

USE OF STORED GROUND WATER	PERIOD OF USE

SECTION 8: PROJECT SCHEDULE

Date construction will begin: Construction has been initiated

Date construction will be completed: Within five years from the date of permit issuance

Date beneficial water use will begin: Within five years from the date of permit issuance

SECTION 9: WITHIN A DISTRICT

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

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

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

The proposed development and wells are located approximately 13 miles south of Malheur Lake within a sub-basin generally defined by the Donner und Blitzen River watershed. The few limited areas of groundwater irrigation within this region between Malheur Lake and the west flank of the Steens Mountains are clustered mostly at the downgradient end of the sub-basin, near Malheur Lake. The proposed development is approximately 6 miles south and upgradient of the nearest land irrigated under a groundwater permit. Only about 10 groundwater permits of more than 600 issued within the greater Harney Valley are located within this sub-basin. The total annual duty of the permits in the sub-basin is less than 10,000 acre-feet, or approximately 10% of the estimated recharge for the sub-basin (Robison, 1968). In contrast to the heavily-developed portions of the greater Harney Valley, no data or anecdotal accounts of groundwater level declines have been documented within the sub-basin. The southeast end of Malheur Lake is nearest area where groundwater level declines from irrigation pumping have been documented; this area is located outside of the sub-basin and over 17 miles cross-gradient from the proposed development.

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SALEM, OREGON

Date _____

(For staff use only)



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

ent

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

- SECTION 1: _____
- SECTION 2: _____
- SECTION 3: _____
- SECTION 4: _____
- SECTION 5: _____
- SECTION 6: _____
- SECTION 7: _____
- SECTION 8: _____
- SECTION 9: _____
- Land Use Information Form _____
- 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.
- Fees _____

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MAP

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

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WATER RESOURCES DEPT
SALEM, OREGON

Attachment A
Land Use Information Form
Groundwater Permit Application – Otley Bros. Inc.

G-10229

Land Use Information Form



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

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NOTE TO APPLICANTS

WATER RESOURCES DEPT
SALEM, OREGON

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

This form is NOT required if:

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

NOTE TO LOCAL GOVERNMENTS

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

Land Use Information Form



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

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Applicant: Otley Bros. Inc

First

Last

Mailing Address: 40926 S Diamond LN

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Diamond

City

OR

State

97722

Zip

Daytime Phone: 541-589-2143

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 SALEM, OREGON

A. Land and Location

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

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
29 S	31 E	8	NENE, SENE, NWSE, NESE	101	EFRU-1	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrigated Agriculture
29 S	31 E	9	SWNW, NWSW, SWSE, SESE	101	EFRU-1	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrigated Agriculture
29 S	31 E	9	NWNW, NENW, SENW, SWNE, NESE, NWSE, NESW	200	EFRU-1	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Irrigated Agriculture

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

Harney County, Oregon

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: 1278 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 Applicant is requesting a permit to use groundwater for irrigation purposes.

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. →

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 in accordance with the local land-use plan. Do not include approval for activities such as building or grading permits.

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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): EFRU-1, HCZO 3.010.


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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:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> 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: Brandon McMullen Title: Planning Director

Signature:  Phone: 541-573-6655 Date: 6/29/2015

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: _____

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SALEM, OREGON

**Attachment B
Legal Descriptions**

Groundwater Permit Application – Otley Bros. Inc.

G-18129
—

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Prepared By: |
Fred Otley |
40926 S Diamond Ln |
Diamond, Oregon 97722 |

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SALEM, OREGON

HARNEY COUNTY, OR 2015-0745
DEEDQCD
Total: \$46.00 06/23/2015 02:40 PM



00010304201500007450020022
I, Derrin Robinson, County Clerk for Harney
County, Oregon certify that the instrument
identified herein was recorded in the Co.
Clerk's records.
Derrin Robinson
Derrin E. Robinson, Harney County Clerk



After Recording Return To: |
Fred Otley |
40926 S Diamond Ln |
Diamond, Oregon 97722 |

SPACE ABOVE THIS LINE FOR RECORDER'S USE

QUIT CLAIM DEED

On June 2, 2015 THE GRANTOR(S),

- Mary G. Otley , Trustee for the Mary G. Otley Family Trust, residing at 40644 S Diamond Lane, Diamond, Harney County, Oregon 97722, and
- Mary G. Otley, Successor Trustee for the Harold Otley Family Trust, residing at 40644 S Diamond Land, Diamond, Harney County, Oregon 97722,

for and in consideration of: One Dollar (\$1.00) and other good and valuable consideration conveys, releases and quit claims to the GRANTEE(S):

Otley Bros, Inc, located at 40926 S Diamond Ln, Diamond, Harney County, OR 97722

the following described real estate, situated in an unincorporated area in the County of Harney, State of Oregon:

Legal Description: In Twp. 29 S., R. 31 E., W.M.: Sec. 9: N1/2NW1/4, SE1/4NW1/4, W1/2NE1/4, NE1/4SW1/4, and N1/2SE1/4.

Grantor (s) does hereby grants, bargain and sell all of the Grantor's rights, title, and interest in and to the above described property and premises to the Grantee(s), and to the Grantee(s) heirs and assigns forever, so that neither Grantor(s) nor Grantor's heirs, legal representatives or assigns shall have, claim or demand any right or title to the property, premises, or appurtenances, or any part thereof.

EXCEPTING AND RESERVING unto Grantor(s), a 0 percent interest in all oil, gas, and other minerals, including gravel, clay, coal, sand and scoria presently owned by the estate.

Tax Parcel Number: 29s31e000000200

G-18129

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SALEM, OREGON

Mail Tax Statements To:
Fred I. Otley
40926 S Diamond Ln
Diamond, Oregon 97722

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007. THIS INSTRUMENT DOES 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 THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007.

Grantor Signatures:

Mary G. Otley

Mary G. Otley, Trustee for the Mary G. Otley Family Trust
40644 S Diamond Ln
Diamond, Oregon 97722

Mary G. Otley

Mary G. Otley, Sussessor Trustee for the Harold Otley Family Trust
40644 S Diamond Ln
Diamond, Oregon 97722

STATE OF OREGON, COUNTY OF HARNEY, ss:

This instrument was acknowledged before me on this 23rd day of June, 2015 by Mary G. Otley.



[Signature]
Notary Public

Harney County Clerk
Title (and Rank)

My commission expires ORS 194.255 (c)

Signature and Notary for Quit Claim Deed regarding _____

G-18129



THIS SPACE RES

HARNEY COUNTY, OR 2015-0751
DEEDBSD
Total:\$46.00 06/24/2015 08:49 AM



00010311201500007510020021

I, Derrin Robinson, County Clerk for Harney County, Oregon certify that the instrument identified herein was recorded in the Co. Clerk's records.

Derrin Robinson

Derrin E. Robinson, Harney County Clerk



After recording return to:

Otley Bros. Inc.

40926 S. Diamond Lane

Diamond, OR 97722

Until a change is requested all tax statements shall be sent to the following address:

Otley Bros. Inc.

40926 S. Diamond Lane

Diamond, OR 97722

File No. 26530AM

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

BARGAIN AND SALE DEED

KNOW ALL MEN BY THESE PRESENTS, That

William C. Otley Successor Trustee of the Maryanna Otley Family Trust, under trust agreement dated April 29, 1993, as to an undivided 1/6th interest and William C. Otley, as to an undivided 1/6th interest,

hereinafter called Grantor, for the consideration hereinafter stated, does hereby grant, bargain, sell and convey unto

Otley Bros. Inc. , an Oregon Corporation, as to an undivided 1/3 interest,

hereinafter called Grantee, and unto Grantee's heirs, successors and assigns all of that certain real property with the tenements, hereditaments and appurtenances thereunto belonging or in any way appertaining, situated in the County of **Harney**, State of Oregon, described as follows, to wit:

Land in Harney County, Oregon, as follows:

In Twp. 29 S., R. 31 E., W.M.:

Sec. 9: W1/2NE1/4, E1/2NW1/4, NW1/4NW1/4, NE1/4SW1/4, N1/2SE1/4.

FOR INFORMATION PURPOSES ONLY, THE MAP/TAX ACCT #(S) ARE REFERENCED HERE:

29S 31E 200 46386

The true and actual consideration paid for this transfer, stated in terms of dollars, is **other property given or promised**. However, the actual consideration consists of or includes other property or value given or promised which is the whole / part of the consideration.

To Have and to Hold the same unto grantee and grantee's heirs, successors and assigns forever.

In construing this deed, where the context so requires, the singular includes the plural and all grammatical changes shall be made so that this deed shall apply equally to corporations and to individuals.

G-18129

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES 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 THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

In Witness Whereof, the grantor has executed this instrument this 18 day of June, 2015; if a corporate grantor, it has caused its name to be signed and its seal if any, affixed by an officer or other person duly authorized to do so by order of its board of directors.

Maryanna Otley Family Trust,

William C. Otley TRUSTEE
William C. Otley, as Successor Trustee
William C. Otley
William C. Otley

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AUG 11 2015

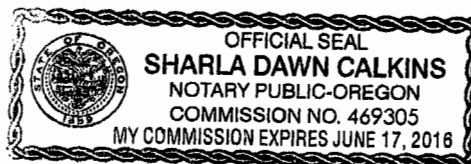
WATER RESOURCES DEPT
SALEM, OREGON

State of Oregon} ss.
County of Harney}

On this 18 day of June, 2015, before me, June, 2015 a Notary Public in and for said state, personally appeared William C. Otley, individually and William C. Otley known or identified to me to be the person whose name is subscribed to the foregoing instrument as trustee of the Maryanna Otley Family Trust.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Sharla Dawn Calkins
Notary Public for the State of Oregon»
Residing at: Harney
Commission Expires: June 17, 2016



**Harney County
Real Legal Descriptions**

8/11/2015 2:37:16 PM

Account # 46386
Map 29S31E0000-00200
Effective Date 01-Aug-2010 12:00 AM
Disclaimer This information is maintained for assessment and taxation purposes only. The county is not responsible for possible errors, omissions, misuse, or misinterpretation. The legal description shown will not show any changes and/or modifications thereto subsequent to the EFFECTIVE DATE.

Subdivision	Block	Lot	Direction	Part	Part Type
--------------------	--------------	------------	------------------	-------------	------------------

Metes and Bounds

T 29 S., R 31 E., W.M. TL 200
LAND IN HARNEY COUNTY, OREGON, AS FOLLOWS:
IN TOWNSHIP 29 S., RANGE 31 E., W.M.
SECTION 9: W1/2NE1/4; E1/2NW1/4; NW1/4NW1/4; NE1/4SW1/4; N1/2SE1/4

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

G-10129

20020685

Form 1860-9
(January 1988)
OR 56174 FD

The United States of America
To all to whom these presents shall come, Greeting:

WHEREAS

OTLEY BROS., INC., AN OREGON CORPORATION

is entitled to a Land Patent pursuant to the Steens Mountain Cooperative Management and Protection Act of 2000, Public Law 106-399, and Section 206 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1716), as amended, for the following described lands in Harney County, Oregon:

Willamette Meridian, Oregon

T 27 S., R. 31 E.,

- sec. 24, S $\frac{1}{2}$ SW $\frac{1}{4}$;
- sec. 25, all;
- sec. 26, E $\frac{1}{2}$ E $\frac{1}{2}$;
- sec. 35, E $\frac{1}{2}$ NE $\frac{1}{4}$.

T. 29 S., R. 31 E.,

- sec. 5, SE $\frac{1}{4}$;
- sec. 8, E $\frac{1}{2}$ and E $\frac{1}{2}$ W $\frac{1}{2}$;
- sec. 9, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ and S $\frac{1}{2}$ S $\frac{1}{2}$.

T. 27 S., R. 32 E.,

- sec. 19, lot 1, and, NE $\frac{1}{4}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$.

T. 29 S., R. 32 E.,

- sec. 29, SW $\frac{1}{4}$ NW $\frac{1}{4}$ and W $\frac{1}{2}$ SW $\frac{1}{4}$;
- sec. 32, N $\frac{1}{2}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SE $\frac{1}{4}$.

T. 30 S., R. 32 E.,

- sec. 5, lot 1.

T. 30 S., R. 33 E.,

- sec. 6, SE $\frac{1}{4}$ SE $\frac{1}{4}$;
- sec. 7, E $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ and S $\frac{1}{2}$ SE $\frac{1}{4}$;
- sec. 9, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$ and W $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{4}$;
- sec. 17, SW $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ and SE $\frac{1}{4}$;
- sec. 18, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$;
- sec. 20, NW $\frac{1}{4}$ NW $\frac{1}{4}$;
- sec. 22, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$;
- sec. 25, SW $\frac{1}{4}$ SW $\frac{1}{4}$;
- sec. 26, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$;
- sec. 27, W $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SE $\frac{1}{4}$;
- sec. 34, NE $\frac{1}{4}$ NE $\frac{1}{4}$ and E $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$;
- sec. 35, N $\frac{1}{2}$ NE $\frac{1}{4}$.

STATE OF OREGON } ss
County of Harney

I certify that the within instrument was received
for record on the 5 day of April
2002 at 2:57 o'clock P. M. and
recorded Microfilm number 20020685

[Signature] Records of said County.
Marta Iturriaga, County Clerk
By [Signature] Deputy

Page 1 of 3

PATENT NUMBER: 36-2002-0014

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

G-18129

INSTRUMENT # 2002 *0605*

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

T. 31 S., R. 33 E.,
sec. 3, lots 2, 3, 4, 6, 7 and 8;
sec. 10, E $\frac{1}{2}$ and E $\frac{1}{2}$ NW $\frac{1}{4}$;
sec. 11, lots 2, 3, 6 and 7;
sec. 14, lots 2 - 8, inclusive;
sec. 15, E $\frac{1}{2}$ E $\frac{1}{2}$ and NW $\frac{1}{4}$ NE $\frac{1}{4}$;
sec. 22, E $\frac{1}{2}$ E $\frac{1}{2}$;
sec. 23, lots 1 - 8, inclusive;
sec. 26, lots 1 - 8, inclusive;
sec. 34, SE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$;
sec. 35, lots 1 - 6, inclusive.

T. 32 S., R. 33 E.,
sec. 11, lots 3 and 6;
sec. 14, lot 2.

T. 31 S., R. 34 E.,
sec. 5, N $\frac{1}{2}$ SW $\frac{1}{4}$ and E $\frac{1}{2}$ SE $\frac{1}{4}$;
sec. 6, lots 2, 5, and 6, and SW $\frac{1}{4}$ NE $\frac{1}{4}$.

The areas described aggregate 6,898.07 acres, according to the official plats of the survey of the said lands, on file in the Bureau of Land management.

NOW KNOW YE, that the UNITED STATES OF AMERICA, in consideration of the premises, and in conformity with the said Acts of Congress, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT unto the said **OTLEY BROS., INC., an Oregon corporation** the lands above described; TO HAVE AND TO HOLD the same, together with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said **OTLEY BROS., INC., an Oregon corporation**, its successors and assigns, forever; and

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches and canals constructed by the authority of the United States Act of August 30, 1890 (43 U.S.C. 945); and
2. The right to itself, its permittees or licensees to enter upon, occupy, and use any part or all of the NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, sec. 25, E $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 26, T. 30 S., R. 33 E., W.M., Oregon, necessary in the judgment of the Federal Energy Regulatory Commission, for purposes of Part 1 of the Federal Power Act of August 26, 1935, as amended (16 U.S.C. 818); and no claim for right to compensation shall accrue from the occupation or use of any of said lands for said purposes. The United States or any licensee for any such lands hereunder may enter thereupon for the purposes of Part 1 of the Federal Power Act upon payment of any damages to crops, buildings, or other improvements caused thereby to the owner thereof, or

Page 2 of 3

PATENT NUMBER: 36-2002-0014

G-10129

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

upon giving a good and sufficient bond to the United States for the use and benefit of the owner to secure the payment of such damages as may be determined and fixed in an action brought upon the bond in a court of competent jurisdiction, said bond to be in the form prescribed by the Federal Energy Regulatory Commission.

SUBJECT TO:

1. Those rights for electrical transmission line purposes granted to Harney Electric Cooperative, Inc., its successors or assigns, by right-of-way No. ORE 05183, pursuant to the Act of March 4, 1911, as amended (43 U.S.C. 961), as to the SW $\frac{1}{4}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ SW $\frac{1}{4}$, sec. 29, T. 29 S., R. 32 E., W.M.; and, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ and W $\frac{1}{2}$ W $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 9, SW $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 22, T. 30 S., R. 33 E., W.M.;
2. Those rights for aerial telephone line purposes granted to CenturyTel of Oregon, Inc., its successors or assigns, by right-of-way No. ORE 018562, pursuant to the Act of March 4, 1911, as amended (43 U.S.C. 961), as to the SW $\frac{1}{4}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ SW $\frac{1}{4}$, sec. 29, T. 29 S., R. 32 E., W.M.; and SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ and W $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 9, SW $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 22, T. 30 S., R. 33 E., W.M.;
3. Those rights for buried telephone line purposes granted to CenturyTel of Oregon, Inc., its successors or assigns, by right-of-way No. OR 45329, pursuant to the Act of October 21, 1976, (43 U.S.C. 1761), as to the N $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 29, T. 29 S., R. 32 E., W.M.; and
4. Those rights for public road and highway purposes granted to Harney County, its successors or assigns, by right-of-way No. OR 56285, pursuant to the Act of October 21, 1976, (43 U.S.C. 1761), as to the N $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 29, T. 29 S., R. 32 E., W.M.

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

[SEAL]

GIVEN under my hand in Portland, Oregon
the first day of April in the
year of our Lord two thousand and two and of the Independence
of the United States the two hundred and twenty-sixth.

By *Robert S. DeVinney*
Chief, Branch of Realty and Records Services

PATENT NUMBER: 36-2002-0014

**Harney County
Real Legal Descriptions**

8/11/2015 2:40:31 PM

Account # 92886
Map 29S31E0000-00101
Effective Date 01-Aug-2010 12:00 AM
Disclaimer This information is maintained for assessment and taxation purposes only. The county is not responsible for possible errors, omissions, misuse, or misinterpretation. The legal description shown will not show any changes and/or modifications thereto subsequent to the EFFECTIVE DATE.

Subdivision	Block	Lot	Direction	Part	Part Type
-------------	-------	-----	-----------	------	-----------

Metes and Bounds

T 29 S., R 31 E., W.M. TL 101
LAND IN HARNEY COUNTY, OREGON, AS FOLLOWS:
IN TOWNSHIP 29 S., RANGE 31 E., W.M.
SECTION 5: SE1/4
SECTION 8: E1/2; E1/2W1/2
SECTION 9: SW1/4NW1/4; NW1/4SW1/4; S1/2S1/2

RECEIVED

AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

G-18129

OFFICIAL RECORD OF DESCRIPTIONS OF REAL PROPERTIES
Office of County Assessor – Harney County

Reference # 92886

Code Area 4-2

Map # 29 31

Tax Lot # 101

Acres 880.00

Legal Description

Date

Deed Recorded

Land in Harney County, Oregon, as follows:

Township 29 S., Range 31 E., W.M.

Section 5: SE1/4

Section 8: E1/2, E1/2W1/2

Section 9: SW1/4NW/14, NW1/4SW1/4, S1/2S1/2

U S A

2/21/35

36

437-441

5/7/84

120

709

Patent # 36-2002-0014 U S A to:
Otley Bros., Inc.

4/5/02

20020685

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WATER RESOURCES DEPT
SALEM, OREGON

G-10129

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AUG 11 2015

WATER RESOURCES DEPT
SALEM, OREGON

**Attachment C
Application Map**

Groundwater Permit Application – Otley Bros. Inc.

G-10129

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WATER RESOURCES DEPT
SALEM, OREGON

Attachment D
Well logs

Groundwater Permit Application – Otley Bros. Inc.

G-18129

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

HARN 51892

11/1/2012

WELL I.D. LABEL# L 109045
 START CARD # 1018264
 ORIGINAL LOG #

(1) **LAND OWNER**
 Owner Well I.D. _____
 First Name MARY Last Name OTLEY
 Company _____
 Address 40926 S DIAMOND LANE
 City DIAMOND State OR Zip 97722

(2) **TYPE OF WORK** New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) **PRE-ALTERATION**
 Dia + From To Gauge Stl Plstc Wld Thrd
 Casing:
 Material From To Amt sacks/lbs
 Seal: _____

(3) **DRILL METHOD**
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other _____

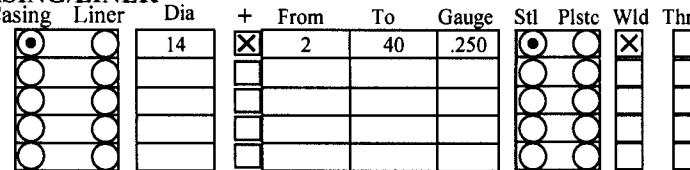
(4) **PROPOSED USE** Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) **BORE HOLE CONSTRUCTION** Special Standard (Attach copy)
 Depth of Completed Well 200.00 ft.

BORE HOLE			SEAL			sacks/lbs	
Dia	From	To	Material	From	To	Amt	lbs
18	0	20	Bentonite Chips	0	20	24	S
14	20	40					
12	40	200					

How was seal placed: Method A B C D E
 Other POURED & TAMPED
 Backfill placed from _____ ft. to _____ ft. Material _____
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) **ABANDONMENT USING UNHYDRATED BENTONITE**
 Proposed Amount _____ Actual Amount _____

(6) **CASING/LINER**
 Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd

 Shoe Inside Outside Other Location of shoe(s) _____
 Temp casing Yes Dia _____ From _____ To _____

(7) **PERFORATIONS/SCREENS**
 Perforations Method _____
 Screens Type _____ Material _____

Perf/ Screen	Casing/ Screen Dia	From	To	Scrns/slot width	Slot length	# of slots	Tele/ pipe size

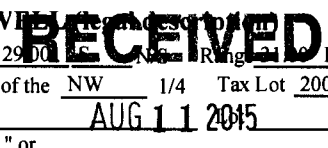
(8) **WELL TESTS: Minimum testing time is 1 hour**
 Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
600		190	1

Temperature 60 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount

From	To	Description	Amount	Units

(9) **LOCATION OF WELL**
 County HARNEY Twp 2900 N. Range 21 E. E/W WM
 Sec 9 SE 1/4 of the NW 1/4 Tax Lot 200
 Tax Map Number _____
 Lat _____ " or _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street address of well _____



BUENA VISTA
 HWY 205

(10) **STATIC WATER LEVEL**

Existing Well / Pre-Alteration Completed Well	Date	SWL (psi)	+ SWL (ft)
	11/1/2012		27

 Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 27.00

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
11/1/2012	27	190	600		27

(11) **WELL LOG** Ground Elevation _____

Material	From	To
Topsoil sandy loam	0	2
conglomerent cemented	2	35
rock grey green	35	85
pumice stone	85	92
claystone yellow	92	95
sandstone	95	100
pumice	100	108
claystone tan	108	132
clay yellow	132	137
clay green	137	140
claystone blue	140	163
clay blue	163	172
claystone blue	172	188
clay blue	188	200

Date Started 10/30/2012 Complete 11/1/2012

(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 _____
 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 1424 Date 11/1/2012
 Signed TIMOTHY K RILEY (E-filed)
 Contact Info (optional) _____

11/5/2012

(1) LAND OWNER Owner Well I.D. _____
 First Name MARY Last Name OTLEY
 Company _____
 Address 40926 S DIAMOND LANE
 City DIAMOND State OR Zip 97722

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
 Dia + From To Gauge Stl Plstc Wld Thrd
 Casing: _____
 Material From To Amt sacks/lbs
 Seal: _____

(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 250.00 ft.
BORE HOLE SEAL sacks/
 Dia From To Material From To Amt lbs

18	0	20	Bentonite Chips	0	20	24	S
14	20	60					
12	60	250					

How was seal placed: Method A B C D E
 Other POURED & TAMPED
 Backfill placed from _____ ft. to _____ ft. Material _____
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
 Proposed Amount _____ Actual Amount _____

(6) CASING/LINER
 Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd

<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	60	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	----	-------------------------------------	---	----	------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------

 Shoe Inside Outside Other Location of shoe(s) _____
 Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
 Perforations Method _____
 Screens Type _____ Material _____

Perf/ Screen	Casing/ Screen	Dia	From	To	Scrns/slot width	Slot length	# of slots	Tele/ pipe size

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
300		240	

 Temperature 60 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount _____

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
 County HARNEY Twp 29.00 S N/S Range 31.00 E E/W WM
 Sec 9 NW 1/4 of the NW 1/4 Tax Lot 200
 Tax Map Number _____ Lot _____
 Lat _____ " or _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street address of well Nearest address
BUENA VISTA
HWY 205

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration	Date	SWL(psi)	+ SWL(ft)
Completed Well	10/13/2012		35

 Flowing Artesian? Dry Hole?
 WATER BEARING ZONES Depth water was first found 35.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
10/13/2012	35	215	300		35

(11) WELL LOG Ground Elevation _____

Material	From	To
Topsoil sandy loam	0	3
sand medium	3	8
clay yellow	8	22
sand cemented	22	48
pumice	48	69
sand cemented	69	80
pumice and claystone	80	95
claystone brown	95	118
claystone yellow	118	127
claystone brown	127	136
claystone green blue	136	157
clay blue	157	210
claystone pumice conglomerent	210	215
clay blue	215	250

Date Started 10/8/2012 Complete 10/13/2012
(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 _____
 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 1424 Date 11/5/2012
 Signed TIMOTHY K RILEY (E-filed)
 Contact Info (optional) _____

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

HARN 51894

WELL I.D. LABEL# L 109042
START CARD # 1017944
ORIGINAL LOG #

11/5/2012

(1) LAND OWNER Owner Well I.D. _____
First Name MARY Last Name OTLEY
Company _____
Address 40926 S DIAMOND LANE
City DIAMOND State OR Zip 97722

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing:
Material From To Amt sacks/lbs
Seal: _____

(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 210.00 ft.
BORE HOLE SEAL
Dia From To Material From To Amt sacks/lbs
18 0 40 Bentonite Chips 0 40 40 S
12 40 210 _____

How was seal placed: Method A B C D E
 Other POURED & TAMPED
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount _____ Actual Amount _____

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
 14 2 40 .250
Shoe Inside Outside Other Location of shoe(s) _____
Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method _____
Screens Type _____ Material _____
Perf/ Casing/ Screen Scrn/slot Slot # of Tele/
Screen Liner Dia From To width length slots pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
600 _____ 200 _____
Temperature 60 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 29.00 S N/S Range 31.00 E E/W WM
Sec 9 SE 1/4 of the NW 1/4 Tax Lot 200
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
 Street address of well Nearest address

BUENA VISTA
HWY 205

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 10/8/2012 _____ 29
Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 29.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
10/8/2012	29	210	600		29

(11) WELL LOG Ground Elevation _____

Material	From	To
topsoil sandy loam	0	3
sand medium	3	8
sand cemented	8	48
sandstone brown		54
rock grey green		63
rock grey	63	86
sandstone tan green grey		105
pumice grey	105	117
claystone yellow pumice grey	117	123
claystone brown		127
pumice claystone		141
claystone yellow	141	145
claystone brown	145	147
claystone yellow	147	153
pumice claystone	153	167
clay blue	167	172
claystone grey	172	208
claystone blue	208	210

Date Started 10/2/2012 Complete 10/8/2012

(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 _____
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 1424 Date 11/5/2012
Signed TIMOTHY K RILEY (E-filed)
Contact Info (optional) _____

G-18129