



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

Application for a Permit to Use Ground Water

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

1. APPLICANT INFORMATION

A. Individuals

Applicant: _____
First Last

Mailing Address: _____

City State Zip

Phone: _____
Home Work Other

*Fax: _____ *Email Address: _____

B. Organizations

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

Name of Organization: Bureau of Land Management

Name and Title of Person Applying: Andy S. Hamilton

Mailing Address or Organization: 2795 Anderson Ave, Bld 25

Klamath Falls Oregon 97623
City State Zip

Phone : 541-883-6916 541-885-4135
Day Evening

*Fax: 541-884-2097 *Email Address: andy_hamilton@blm.gov

*Optional

For Department Use		
App. No. _____	Permit No. _____	Date _____

Last Updated: 3/31/2009

Ground Water/1

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WATER RESOURCES DEPT
Salem, Oregon

G-17295

2. PROPERTY OWNERSHIP

☒ Yes (Please check appropriate box below then skip to section 3 'Ground Water Development')

☒ There are no encumbrances

☐ This land is encumbered by easements, rights of way, roads or other encumbrances
(please provide a copy of the recorded deed(s))

☐ No (Please check the appropriate box below)

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

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

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

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

none

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): 1

Name of nearest surface water body: Rock Creek

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

1) 3 miles 2) _____ 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head:

1) _____ 2) _____ 3) _____ 4) _____

B. Well Characteristics

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

Well(s) will be constructed by:

Project will go to bid January, 2010 under government contract specifications (see attached bid items and specifications). Oregon state certified well drillers.

Mailing Address: _____

City

State

Zip

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Ground Water/2

G17295

Completion Date: na

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

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
1	10"	Steel 10"	40 ft min	na	40 ft	100 ft	300 ft	compres. cap	375'

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

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

C. Artesian Flows

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

--

4. WATER USE

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

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

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

Ground Water/3

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WATER RESOURCES DEPT
SALEM OREGON

G-17295

B. Amount of Water

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

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	aquifer	Forest and range management:	100 gpm	600,000	unknown (100 gpm)

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 100 gpm

(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: April 1 to October 31

(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1-October 31.)

E. Acreage

If you will be applying water to land, indicate the total number of acres where water will be applied or used: na

(This number should be consistent with your application map.)

5. WATER MANAGEMENT**A. Diversion**

What method will you use to divert water from the source?

☒ Pump (give horsepower and pump type): up to 10 hp submersible pump

☐ other means (describe): _____

B. Transport

How will you transport water to your place of use?

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

Width _____ Depth _____

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

☐ Pipe (give diameter and total length):

Diameter _____ Length _____

☒ other, describe: water would be pumped into portable tank or truck

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Ground Water/4

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SALEM, OREGON

G-17295

C. Application/Distribution Method

What equipment will you use to apply water to your place of use?

Fire and/ or road watering trucks would be used on dispersed road system on BLM lands and roads within a 20 mile radius of the well.

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

- | | | |
|--|--|---|
| ☐ Flood | ☐ High pressure sprinkler | ☐ Low pressure sprinkler |
| ☐ Drip | ☐ Water Cannons | ☐ Center pivot system |
| ☐ Hand Lines | ☐ Wheel Lines | |
| ☐ Siphon tubes or gated pipe with furrows | | |
| ☒ other, describe: <u>na -forestry and land management</u> | | |

Distribution method

- | | | |
|--|---|-------------------------------------|
| ☐ Direct pipe from source | ☐ In-line storage (tank or pond) | ☐ Open Canal |
|--|---|-------------------------------------|

E. Conservation

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

na

6. PROJECT SCHEDULE

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

Proposed date construction will begin: May, 2010

Proposed date construction will be completed: July 2010

Proposed date beneficial water use will begin: July, 2010

Is this project fully or partially funded by the American Recovery and Reinvestment Act? (Federal stimulus dollars) ☒ Yes ☐ No

7. REMARKS

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

Water to be use for Land Management purposes

G. Forest and range management:

Water use for operations conducted on, or pertaining to, forest lands and range lands.
Reforestation, road construction and maintenance, harvesting, vegetation management, and disposal of slash, emergency fire protection.

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SALEM, OREGON

G-17295

8. MAP REQUIREMENTS

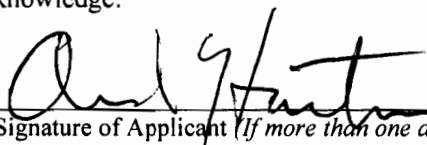
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place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

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.

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

 12/23/09
Signature of Applicant (If more than one applicant, all must sign.) Date

Before you submit your application be sure you have:

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

WRD on the web:
www.wrd.state.or.us

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SALEM, OREGON

Ground Water/6

G-17295

Sent by Andy Hamilton DWRD ref # 617295



Oregon Water Resources Department

FORM Q
FOR COMMERCIAL AND INDUSTRIAL WATER USES

1. Describe the goods and services you plan to provide:

Water would be used for Land Management purposes including road maintenance, construction and for fire training and suppression.

Public BLM roads would be maintained in good condition resulting in less sediment runoff and less dust pollution during recreational and commercial uses.

2. How will the water be used?

Examples of probable uses include: reforestation, road construction and maintenance (grading, compaction and dust abatement),

harvesting, vegetation management, and disposal of slash, emergency fire protection.

3. What is the maximum amount of water that will be used on any given day:

100

☐ cfs ☒ gpm

4. Are there periods of the day, week, month, or year that the water will not be used?
(e.g. no use December-March)

☐ No ☒ Yes If so, when? No water would be needed or used from December-March.

5. Is there a particular time or period of day, week, month, or year when the use of water is absolutely essential for the project to continue? (e.g. vegetable processing, Oct. 15-Nov. 15)

☐ No ☒ Yes If so, when? road watering, fire suppression, July-September,

6. Are there periods of the day, week, month, or year where the amount of water used will be less than at peak times?

☐ No ☒ Yes If so, when? April-June, and October-November

KLAM 56582

06-30-2008

ASH Ref# 617295

Page 1 of 2

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 91441

START CARD # 1003777

(1) LAND OWNER Owner Well I.D.

First Name HEATH Last Name HARVEY

Company

Address 32263 CAMAS SWALE ROAD

City CRESWELL State OR Zip 97426

(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 427.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Am't	lbs
10	0	19	Bentonite Chips	0	19	10	5
6.13	19	434					

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

☒ Other POURED

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
☒	☒	6	1	19	.250	☒	☒	☒	☒
☐	☐	4	7	427	sch40	☐	☐	☐	☐

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

Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method SAW CUT

Screens Type Material

Perf/S	Casing/Screen	Liner	Dia	From	To	Screen slot width	Slot length	# of slots	Tele/pipe size
Perf	Liner			387	427	125	6	80	4

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

10		400	1
----	--	-----	---

Temperature 60 °F Lab analysis ☐ Yes By

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units
------	----	-------------	--------	-------

(9) LOCATION OF WELL (legal description)

County Klamath Twp 41.00 S N/S Range 14.50 E E/W WM

Sec 14 NW 1/4 of the NW 1/4 Tax Lot 200

Tax Map Number Lot

Lat DMS or DD

Long DMS or DD

☐ Street address of well ☒ Nearest address

Near Brady Butte Cell Tower off of Willow Valley Rd. Lorella, OR

(10) STATIC WATER LEVEL

Existing Well / Predeepening	Date	SWL (psi)	SWL (ft)
Completed Well	06-27-2008		370
Flowing Artesian?			
Dry Hole?			

WATER BEARING ZONES

Depth water was first found 375

SWL Date	From	To	Est Flow	SWL (psi)	SWL (ft)
06-27-2008	375	434	15		370

(11) WELL LOG

Ground Elevation 4,350

Material	From	To
Brown Clay & Boulders	0	5
Black Lava Rock & Brown Clay	5	24
Black & Brown Lava Rock, Red Cinders &	24	210
Brown Clay	210	210
Black Lava Rock	210	245
Black & Brown Lava Rock	245	375
Broken Black & Brown Lava Rock & Cinders	375	434

Date Started 06-19-2008 Completed 06-27-2008

(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 1560 Date 06-30-2008

Electronically Filed

Signed JAMES B PINKARD (E-Filed)

(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 777 Date 06-30-2008

Electronically Filed

Signed STEPHEN R HUGHES (E-Filed)

Contact Info (optional)

6-17295