# WATER RESOURCES DEPARTMENT Jaly 25,20 3 **MEMO** Application G- 17667 TO: GW: Miles Zwert (Reviewer's Name) FROM: **SUBJECT: Scenic Waterway Interference Evaluation** $\Box$ YES The source of appropriation is within or above a Scenic Waterway NO YES Use the Scenic Waterway condition (Condition 7J) NO $\Box$ Per ORS 390.835, the Groundwater Section is able to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below. Per ORS 390.835, the Groundwater Section is unable to calculate ground water interference with surface water that contributes to a scenic waterway; therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway. DISTRIBUTION OF INTERFERENCE Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding. Exercise of this permit is calculated to reduce monthly flows in \_\_\_\_ Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced. Nov Feb Mar May Jun Jul Sep Oct Dec Jan Apr Aug

#### PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS TO: Water Rights Section Date **July 25, 2013** FROM: Ground Water/Hydrology Section Michael Zwart Reviewer's Name Supersedes review of\_\_\_\_\_ Application G- 17669 SUBJECT: Date of Review(s) PUBLIC INTEREST PRESUMPTION; GROUNDWATER OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation. Applicant's Name: Jeff and Sherri Hussey County: Harney A. GENERAL INFORMATION: A1. Applicant(s) seek(s) 2.94 cfs from one well(s) in the Malheur Basin, Otis Creek subbasin Quad Map: Drinkwater Pass\_\_\_ Proposed use: Irrigation, 240 acres Seasonality: March 1 to October 1 Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid): A2. A3. Proposed Applicant's Proposed Location Location, metes and bounds, e.g. Well Logid 2250' N, 1200' E fr NW cor S 36 Well# Aquifer\* Rate(cfs) (T/R-S QQ-Q) HARN 51953 19S/35E-36 SW-NW **GPS** location only 1 one Bedrock 2.94 2 3 4 5 Alluvium, CRB, Bedrock Well First Well Well Seal Casing Liner Perforations Draw **SWL SWL** Test Well Elev Water Yield Depth Interval Intervals Intervals Or Screens Down ft bls Date Type ft msl ft bls (ft) (ft) (ft) (ft) (ft) (gpm) (ft) 476 900 3662 -23.1 6/22/13 720 0 - 4760 - 476None None Air Use data from application for proposed wells. Comments: Well is flowing artesian with 10 psi shut-in pressure. A4. A5. Provisions of the Malheur Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water are not, activated by this application. (Not all basin rules contain such provisions.) Comments:

, \_\_\_\_, \_\_\_, \_\_\_, \_\_\_, tap(s) an aquifer limited by an administrative restriction.

A6. Well(s) #

Name of administrative area:

Comments:

Version: 08/15/2003

В. <u>GF</u>	<u>oun</u>	D WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070
BI.	Bas	sed upon available data, I have determined that ground water* for the proposed use:
	a.	is over appropriated, ⊠ is not over appropriated, or □ cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130:
	b.	<b>will not</b> <i>or</i> <b> will</b> likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
	c.	will not or will likely to be available within the capacity of the ground water resource; or
	d.	will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:  i.   The permit should contain condition #(s)
B2.	a.	Condition to allow ground water production from no deeper thanft. below land surface;
	b.	Condition to allow ground water production from no shallower than ft. below land surface;
	c.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
	d.	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.  Describe injury—as related to water availability—that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):
В3.	Green	ound water availability remarks: The area is rather remote and there are no nearby State Observation Wells.

Application G-17669\_\_\_

\_\_\_\_\_ continued

Date: July 25, 2013

		-		
$\Delta$ nn	icoti	on G-1	17660	
	II am	OH C1-	1 / いいフ	

continued

Date: July 25, 2013

## C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040** (1): Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Tertiary basalt and/or andesite		
	·		
Basis fo	r aquifer confinement evaluation: <u>The well flows at land s</u>	surface.	

C2. **690-09-040** (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES NO ASSUMED	Potential for Subst. Interfer. Assumed? YES NO
1	1	Otis Creek	3685	3654	200		

Basis for aquifer hydraulic connection evaluation: The aquifer is well below the bed of the creek and separated by a
thick confining bed.
Water Availability Basin the well(s) are located within: Otis Cr > Malheur R ab Cottonwood Cr (31011640).

C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?

Version: 08/15/2003

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
Comments:	This section does	not apply.						

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

	stributed												
Well	SW#	Jan	Feb	Mar	Apr_	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	- %	%	%	%	%	%	%	%	%	%·	9/
Well Q a	is CFS												
Interfere	nce CFS												
Distrib	uted Well		_										
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	77
Well Q a	s CFS												
Interfere													
		%	%	%	%	%	%	%	%	%	%	%	- c/c
Well Q a	s CFS								_				
Interfere													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	s CFS												
Interfere	nce CFS												
		%	%	%	%	%	%	%	%	°%	%	%	%
Well Q a	s CFS			-								-	
Interfere	nce CFS	_			_	_							
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	s CFS												
Interfere	nce CFS				-								
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	s CFS							_	_				
Interfere	nce CFS												_
(A) = Tot	al Inter-f												
$\frac{(A) = 100}{(B) = 80.9}$									_				
		_											
$(\mathbf{C}) = 1 \%$	Nat. Q												
$(\mathbf{D}) = (\mathbf{A})$	> (C)												
$(\mathbf{E}) = (\mathbf{A} / \mathbf{A})$	B) x 100	%	%	%	%	%	%	%	%	%	<b>%</b>	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed, as CFS; (C) = 1% of calculated natural flow at 80% exceed, as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation:    690-09-040 (5) (b)   The potential to impair or detrimentally affect the public interest is to be determined by the Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:   The permit should contain condition #(s)     The permit should contain special condition(s) as indicated in "Remarks" below:    SW / GW Remarks and Conditions	plication G- <u>17669</u> continued	Date: July 25, 2013
690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground was under this permit can be regulated if it is found to substantially interfere with surface water:	Rasis for impact evaluation	
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:	Dasis for impact evaluation.	
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:		
Rights Section.    If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:	690-09-040 (5) (b) The potential to impair or detrimentally	ly affect the public interest is to be determined by the V
under this permit can be regulated if it is found to substantially interfere with surface water:  i. The permit should contain condition #(s)  ii. The permit should contain special condition(s) as indicated in "Remarks" below:  SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol	Rights Section.	y arrect the public interest is to be determined by the v
under this permit can be regulated if it is found to substantially interfere with surface water:  i.		
under this permit can be regulated if it is found to substantially interfere with surface water:  i. The permit should contain condition #(s)  ii. The permit should contain special condition(s) as indicated in "Remarks" below:  SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol	If proporty conditioned the conference (a) and he conference	Language managed of Committee Commit
i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below;  SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol		icquatery protected from interference, and/or ground water interfere with surface water:
SW / GW Remarks and Conditions  SW / GW Remarks and Conditions  References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol	i. The permit should contain condition #(s)	
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol	ii. The permit should contain special condition(s) as	indicated in "Remarks" below;
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol	SW / CW Damada and Caralida	
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.	SW / GW Remarks and Conditions	
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.</u>		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.</u>		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.</u>		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: <u>Local well logs; review of files G- 17229 &amp; G-14177; Greene, Walker, and Corcoran, 1972, Geol</u> Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
References Used: Local well logs; review of files G- 17229 & G-14177; Greene, Walker, and Corcoran, 1972, Geol Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.		
Map of the Burns Quadrangle, Oregon, USGS Miscellaneous Geologic Investigations Map 1-680.	References Used: Local well logs; review of files G- 17229 & o	G-14177; Greene, Walker, and Corcoran, 1972, Geolo
	<u>Map of the Burns Quadrangle, Oregon, USGS Miscellaneous G</u>	eologic Investigations Map 1-680.

App	lication G- <u>17669</u>	continued	Date: <u>July 25, 2013</u>	
D. <u>V</u>	WELL CONSTRUCTION	ON, OAR 690-200		
DI.	Well #:1	Logid: <u>MAL</u>	H 51953	
D2.	<ul><li>a.  review of the</li><li>b.  field inspection</li><li>c.  report of CW</li></ul>	on by RE	andards based upon:	
D3.	a. constitutes a b. commingles of commingles	nealth threat under Division 200 rule water from more than one ground wa	ter reservoir; iter reservoirs;	
D4.	THE WELL constru	ction deficiency is described as foll	ows: I have no issues with the construction of this we	l <b>i.</b>
D5.		was, or    was not constructed original construction or most related to the standard of		
D6.			olding issuance of the permit until evidence of well reconstrument Section and the Ground Water Section.	iction
TH	IS SECTION TO BE C	OMPLETED BY ENFORCEM	IENT PERSONNEL	
D7.	Well construction defi	ciency has been corrected by the foll	owing actions:	
D8.		Section Signature)  ats Section (attach well reconstruct	ion logs to this page).	

## **HARN 51953**

### STATE OF OREGON WATER SUPPLY WELL REPORT

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

WELL LABEL # L	101321	
CTADT CADD #	1020217	

Instructions for completing this report are on the last page of this form.	
(1) LAND OWNER Owner Well I.D.	(9) LOCATION OF WELL (legal description)
First Name JEFF Last Name HUSSEY	County Howey Twp 95 Nors Range 35E For W W.M.
Address 8/850 OTS WALLEY R.D.	Soc 36 NE 1/4 of the SW 1/4 Tax Lot 100
City Weiusey State OR Zip 97904	Tax Man Number
(2) TYPE OF WORK THE WAY TO THE	Lat 43.52.27.4" or DMS or DD
(2) TYPE OF WORK	Long 1/8 · 2/ · 53 · 49" or DMS or DD
Alteration (repair/recondition)	Street Address of Well (or nearest address) SAME
(3) DRILL METHOD	Street Address of Well (or nearest address)
Rotary Air Rotary Mud Cable Auger Cable Mud	
Reverse Rotary Other	(10) STATIC WATER LEVEL
(4) PROPOSED USE Domestic Trigation Community	Date SWL(psi) + SWL(ft)
☐ Industrial/Commercial ☐ Livestock ☐ Dewatering ☐ Injection	Existing Well/Predeepening
☐ Thermal ☐ Other	Completed Well 6-22-13 10
	Flowing Artesian? Tes Dry Hole? Yes
(5) BORE HOLE CONSTRUCTION Special Standard: Yes (attach copy)	WATER BEARING ZONES Depth water was first found 17
Depth of Completed Well ft.	SWL Date From To Est Flow SWL (psi) + SWL (ft)
BORE HOLE SEAL	
Dia From To Material From To Amount Scholbs	6-18-13 17 19 5
20 15 476 ament 15 476 185 4D	622-13 476 720 1000 10
12 476 720	
	(11) WELL LOG Ground Elevation 3668
How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E	
Other	Material From To
Backfill placed from ft. to ft. Material	Mar Soil.
Filter pack from ft. to ft. Material Size	abus Sark Beaun 6 17
Explosives used: Yes Type Amount	
(6) CASING/LINER	Small grave 17 19
Csng Linr   Dia   +   From   To   Gauge   Steel   Plastic   Welded   Thrd	Clair ocen/Buen 19 474
16 + 2 416 48	Carly Scarry Marie
	Baratt Bloken Bly Eller 474 476
	Boselt Buken 476 498
	parace pure 778
	Broken granite 498 720
Shoe Inside Outside Other Location of shoc(s)	
Temporary casing Yes Diameter From To	
(7) BEDEOD ATIONS (SCREENS	Date Started 6-78-13 Completed 6-22-13
(7) PERFORATIONS/SCREENS Perforations Method	Date Started 678-13 Completed 6 678-15
Screens Type Material	(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
Screen   Slot   # of   pipe	construction standards. Materials used and information reported above are true to
Perf Scm Csng Linr Dia From To width length slots size	the best of my knowledge and belief.
	License Number Date
	District TWING
	Signed
(O) NUMBER OF STREET, AND ASSESSED ASSE	(bonded) Water Well Constructor Certification
(8) WELL TESTS: Minimum testing time is 1 hour    Pump	I accept responsibility for the construction, deepening, alteration, or
	abandonment work performed on this well during the construction dates reported
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	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
	supply well construction standards. I his report is true to the dest of my knowledge and belief.
RECEIVED BY OWRD	
Temperature 76 °F Lab analysis [] Yes By	License Number / 00/ Date (0 00 /)
	License Number 1867 Date 6-25-13 Signed Clan Utreborge
From To Description Amount Units	Contact Info. (optional)
	- Comment of the comm
SALEM, OR	

