Water Right Conditions Tracking Slip
Groundwater/Hydrology Section FILE # # $G - 17628$
ROUTED TO: Water Rights TOWNSHIP/ RANGE-SECTION: 75/39E - 4,8+17
CONDITIONS ATTACHED?: [4 yes [] no REMARKS OR FURTHER INSTRUCTIONS:
Reviewer: Mike Zwart

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WATER RESOURCES DEPARTMENT

MEMO

ay 7,2003

Application G- 17628

FROM:

TO:

GW: Mike Zwart. (Reviewer's Name)

SUBJECT:

Scenic Waterway Interference Evaluation

____YES

The source of appropriation is within or above a Scenic Waterway

YES └ NO

Use the Scenic Waterway condition (Condition 7J)

Per ORS 390.835, the Ground Water 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 Ground Water 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 ______Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov ·	Dec

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Wate	r Rights See	ction				Dat	e	May 7, 2	013		
FROM	1:	Grou	nd Water/H	ydrology	Section _	Mich	ael Z <u>wart</u>						
							ewer's Name						
SUBJI	ECT:	Appl	ication G	17628		Su	persedes re	view of					
		•••					-				Date of Re	view(s)	
OAR 6 welfare to deten the pres	90-310-1 e, safety and rmine whe sumption	30 (1) <i>nd heal</i> ether th criteria	T PRESUM The Departm th as describ e presumptio . This review	ent shall ed in ORS n is estab v is based	bresume the 5 537.525. I lished. OAF I upon avai	at a propos Department 8 690-310- lable infor	ed groundwa t staff review 140 allows th mation and	y ground wat he proposed agency poli	er app use b icies i	plications used in place at	inder OA or condi the time	R 690-31 tioned to of evalu	0-140 meet
A. <u>GE</u>	<u>NERAL</u>	INFC	DRMATIO	<u>N</u> : A	applicant's l	Name:	<u>Larry Wo</u>	<u>gman</u>		(County:	<u>Baker</u>	
A1.			eek(s) <u>7.0</u>			subb	asin Qu	ad Map: <u>H</u>					_ Basin,
A2.	Propose	d use:	Irrig	ation, 15	25. <u>45</u> ac P	& S Seas	sonality:	March 1 to	o Oct	ober <u>31</u>			
A3.			er data (atta								inder log	gid):	
Well	Logi	id	Applicant's Well #		oposed quifer*	Propos Rate(cf		Location /R-S QQ-Q)			Location, metes and bounds, e.g 2250' N, 1200' E fr NW cor S 36		
1	Propo	eed	S-4 Well		edrock	2.5		9E-4 NW-S	F		N, 1431' V	_	
2	Propo		S-8 Well		edrock	2.0				2580' S, 312' E fr NW cor S 8			
3	Propo		S-17 Well		edrock	2.5				1439' N, 1700' W fr SE cor S 17*			
4	гторо	seu	S-17 Well		curock	2.3	13/3			1439 N, 1700 W IF SE COT S			51/
				_									
5	<u> </u>												
* Alluvi	um, CRB,	Bedroc	ĸ										
Well	Well Elev ft msl	First Wate ft bls	r SWL	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	O	rforations Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	3430				375	0-200	0-375			-375			
2	3382				300	0-120	0-300			-300			
3	3402				300	0-120	0-300		130	-300			
Use data	a from app	lication	for proposed v	vells.									
A4. in bedu			roposed well epth of 190 f										npleted
			es not appea										n will
ensure	that the	targete	ed bedrock a	auifer is	actually de	veloped.	*In a teleph	one convers	ation	with Peg	y Brow	ie, it was	5
			etes and bou										

above.

A5. Provisions of the <u>Powder</u> Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.) Comments:

A6. Well(s) # _____, ____, ____, ____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: ______

Comments: _____

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

- B1. **Based upon available data**, I have determined that ground water* for the proposed use:
 - \Box is over appropriated, \Box is not over appropriated, or \boxtimes cannot be determined to be over appropriated during any a. 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;
 - will not or will likely be available in the amounts requested without injury to prior water rights. * This finding b. is limited to the ground water portion of the injury determination as prescribein OAR 690-310-130;
 - \square will not or \square will likely to be available within the capacity of the ground water resource; or c.
 - will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource: d.
 - i. \square The permit should contain condition #(s) = 7N
 - ii. The permit should be conditioned as indicated in item 2 below.
 - iii. \square The permit should contain special condition(s) as indicated in item 3 below;

B2. **Condition** to allow ground water production from no deeper than _______ft. below land surface; a.

- Condition to allow ground water production from no shallower than ______ ft. below land surface; b.
- Condition to allow ground water production only from the _____ ground water reservoir between approximately_____ ft. and_____ ft. below land surface; c.
- Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to d. 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):

Ground water availability remarks: Special Condition: The wells shall be cased and sealed a minimum of five feet B3. into competent bedrock.

The few nearby observation wells are non-current. The water levels have been reasonably stable during the period of record. I have some greater concern about the potential for interference with a senior groundwater right (Permit G-16687) by proposed well #1 in Sec. 4. This proposed well is within 300 feet of one of the two proposed well locations for file G-17198. The permittee has constructed two wells in 2012 (copies of well logs attached). One of them (BAKE 52211) appears likely to be the permitted well. It is recommended that the applicant be informed of this senior right and that he give some consideration to relocating this proposed well a greater distance from this existing well.

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
1,3	Bedrock mapped as KJi, plutonic rocks	\boxtimes	
2	Bedrock mapped as TrPv, volcanic and sedimentary rocks	\boxtimes	

Basis for aquifer confinement evaluation: <u>The wells penetrating bedrock typically have water levels well above the</u> depth that groundwater was first encountered.

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 ¹/₄ 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	Powder River	3330±	3273	8900		
2	1	Powder River	3300±	3295	12800		
2	2	Trib. Little Muddy Creek	3300±	3375	900		
3	1	Powder River	3300±	3292	5550		
3	2	Trib. Little Muddy Creek	3300±	3338	1800		

Basis for aquifer hydraulic connection evaluation: <u>Hydraulic connection with the older plutonic and volcanic rocks is</u> <u>indirect at best with alluvial deposits</u>, which overlie and are adjacent to these older rocks. The alluvial deposits are in <u>good hydraulic connection with the river and tributaries</u>.

Water Availability Basin the well(s) are located within: POWDER R > SNAKE R - AB UNN STR (72191).

C3a. **690-09-040** (4): Evaluation of stream impacts for <u>each well</u> 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 1D	Instream Water Right Q (cfs)	Qw> 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference (a) 30 days (%)	Potential for Subst. Interfer. Assumed?
	1									

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:	Comments:										

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.

Well	stributed SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2.1.1	%	%	%		%	%	%	%	%	%	%	%
Well Q a	as CES												
	ence CFS				-								
Distrib	uted Well	s											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a													
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	ence CFS												
_		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS											_	
Interfere	nce CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	ence CFS	_											
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a													
Interfere	ence CFS												
(A) = To	tal Interf.			_				_					
	% Nat. Q												
(C) = 1 %	% Nat. Q												
(D) = (A) > (C)					,			9		· ·	7	
	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

 (Λ) = 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.

Application G-	17628	continued

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	690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the W 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: i. The permit should contain condition #(s)
	ii. The permit should contain special condition(s) as indicated in "Remarks" below;
50	V / GW Remarks and Conditions
200	ferences Used: <u>Geology of the Oregon Part of the Baker 1° by 2° Quad, Brooks, 1976; OWRD Ground Water Re</u>
‡6; √a	Ground Water Resources of Baker Valley, Baker County, Oregon, by Frederick D. Trauger; Ground Water of B lley, Baker County, Oregon, by Lystrom, Nees and Hampton, 1967; past personal communications with DOGAMI
#6; Va	Ground Water Resources of Baker Valley, Baker County, Oregon, by Frederick D. Trauger; Ground Water of B
#6; Va	Ground Water Resources of Baker Valley, Baker County, Oregon, by Frederick D. Trauger; Ground Water of B lley, Baker County, Oregon, by Lystrom, Nees and Hampton, 1967; past personal communications with DOGAMI
¥6; Va	ferences Used: <u>Geology of the Oregon Part of the Baker 1° by 2° Quad, Brooks, 1976; OWRD Ground Water Re</u> Ground Water Resources of Baker Valley, Baker County, Oregon, by Frederick D. Trauger; Ground Water of B lley, Baker County, Oregon, by Lystrom, Nees and Hampton, 1967; past personal communications with DOGAMI gional Geologist and other OWRD staff; nearby recent reviews.
#6; Va	Ground Water Resources of Baker Valley, Baker County, Oregon, by Frederick D. Trauger; Ground Water of B lley, Baker County, Oregon, by Lystrom, Nees and Hampton, 1967; past personal communications with DOGAMI

D. WELL CONSTRUCTION, OAR 690-200

D1.		Well #:	Logid:	
D2.	a t		of CWRE	; ;
D3.	2 1 0 0	. constit b. commit c. permit l. permit	onstruction deficiency: utes a health threat under Division 200 rules; ngles water from more than one ground water reservoir; s the loss of artesian head; s the de-watering of one or more ground water reservoirs; (specify)	
D4.	1	THE WELL co	onstruction deficiency is described as follows:	
	-			
D5.	1	THE WELL	 a. was, or was not constructed according to the standards in effect at the time of original construction or most recent modification. b. don't know if it met standards at the time of construction. 	
D6.			Inforcement Section. I recommend withholding issuance of the permit until evidence of well reconstruction Department and approved by the Enforcement Section and the Ground Water Section.	uction
TH	IS SI	ECTION TO	BE COMPLETED BY ENFORCEMENT PERSONNEL	
D7.		Well construction	on deficiency has been corrected by the following actions:	
	-			
	-			
	-			
	-		,2	00
			cement Section Signature)	
D8.		Route to Wate	er Rights Section (attach well reconstruction logs to this page).	

NOTICE TO WATER WELL CONTRACTOR EIVEN The original and first copy WATER WE of this report are to be filed with the	RECEIVED OREGON MAY 7 1974 State Well No.	70	305	, sbc
filed with the FEB27 1975 STATE OF	OREGON MAY 7 1974 State Well No.	t əf	-75	-0
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the dateSTATE ENGINEER (Please typ	e or print) STATE ENGINEERState Permit 1		1	
of well completion SALEM. OREGON (Do not write a	bove this INSALEM, OREGON 67050	7	-fm	v Brad #
				-543164
(1) OWNER:	(10) LOCATION OF WELL:			
Name LEIANL J Hellberg	County BAKOT Driller's well r	umber		
Address Rto /	SW 14 NW 14 Section 8 T. 7 S	R. 🗲	4 € 3	9 EW.M.
Lowdow WASH 99342	Bearing and distance from section or subdivis			80'
(2) TYPE OF WORK (check):	NEQ SW corner a SW & a /	VWEA	Le 8	
New Well 🖉 Deepening 📋 Reconditioning 📑 Abandon 🗍				
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed v			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	• • • •	ven.		
Rotary D Driven D	Depth at which water was first found	/		ft.
Cable Jetted	Static level 6 ft. below land	surface.	Date 3	111/74
Dug 📋 Bored 🗋 Irrigation 🖉 Test Well 🗋 Other 🗌	Artesian pressure lbs. per squa	re inch.	Date	
CASING INSTALLED: Threaded D Welded & / Diam. from 0 ft. to / 90 ft. Gage .025 " Diam. from ft. to ft. Gage	(12) WELL LOG: Diameter of well Depth drilled 190 ft. Depth of comp Formation: Describe color, texture, grain size	leted we	u 19	0 ft.
" Diam. from ft. to ft. Gage	and show thickness and nature of each stratu	m and a	quifer p	netrated.
PERFORATIONS: Perforated? I Yes I No.	with at least one entry for each change of forms position of Static Water Level and indicate pris	uon. Rej icipal wa	ter-beari	cnange in ng strata.
pe of perforator used Milling	MATERIAL	— ——	·	<u> </u>
		From	То	SWL
Bize of perforations 37 in. by 2 2 in.	Soil CelAy	0	6	
perforations from	SANL	6	7	6
ft. to ft.	CAy	7	34	4
perforations from ft. to ft.	Sand	34	38	11
(7) SCREENS: Well screen installed? Yes K No	Clay Shill Reveal All A M		50	- *
Menufacturer's Name	SAN'L Gravel Mon &"	50	69	
Type Model No.	<u> </u>	07	102	
Diam. Slot size Set from ft. to ft.	C/AY	102	124	<u>•</u>
Diam	Sand	122	132	<u>,</u>
	Bloe Clay	132	1+0	<u>4</u> 4
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	SAND	150	162	
Was a pump test made? 🗋 Yes 🖀 No If yes, by whom?	CLAY	162		10
Yield: gal./min. with ft. drawdown after hrs.	SAN	180		<u></u>
in test 1500 GPM				
Bailer test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m.				
perature of water 54 Depth artesian flow encountered ft.	Work started Mar 8 1974 Complete	a al	-19	1974
	Date well drilling machine moved off of well	1		19
(v) CONSTRUCTION:				
Well seal-Material used	Drilling Machine Operator's Certification:			
Well sealed from land surface to 20ft.	This well was constructed under my Materials used and information reported	direct	super	vision.
Dismeter of well bore to bottom of seal	best knowledge and belief			•
Diameter of well bore below seal	[Signed] Juland Kellhes	Date	5/6	. 19.7.4
Number of sacks of cement used in well seal	(Drilling Machine Operator)			•
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.			
Brand name of bentonite	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons		ation	d 41-1	amont la
of water	This well was drilled under my jurisdi true to the best of my knowledge and bel	lef.	ia mis r	eport is
Was a drive shoe used? F Yes D No Plugs 15' Size: location 190 ft.	Name <u>LC/AND</u> J Hollberg (Person, firm or corporation)			
Did any strata contain unusable water? 🗰 Yes 🛒 No				
Type of water? depth of strata	Address Rtc/ Lowdon W	154	9939	2-
Method of sealing strata off	[Signed] Leland Hollby			
Was well gravel packed? H Yes D No Size of gravel:	[Signed]	actor)	•••••	
Gravel placed from ft. to ft.	Contractor's License No Date			
				,

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE OF OREGON	BAKF	E 52211 WELL I.D. LABEL# L 107025
WATER SUPPLY WELL REPORT		START CARD # 207686
(as required by ORS 537.765 & OAR 690-205-0210)		/2012 ORIGINAL LOG #
(1) LAND OWNER Owner Well I.D. First Name Last Name		
Company WILLIAMS LAND LLC		(9) LOCATION OF WELL (legal description)
Address 48857 HWY 30		County BAKER Twp 7.00 S N/S Range 39.00 E E/W WM Sec 4 NE 1/4 of the SE 1/4 Tax Lot 701
City NORTH POWDER State OR Zip 97867		Tax Map Number Lot
(2) TYPE OF WORK New Well Deepening Conv Alteration (complete 2a & 10) Abandonment(co	version	Tax Map Number Lot Lat ' '' or DMS or DD Long '' or DMS or DD
(2a) PRE-ALTERATION	<u>simplete sur</u>	Long° " or DMS or DD
Casing: To Gauge Stl Plstc Wid Thrd		48857 HWY 30 NORTH POWDER, OR 97867
Material From To Amt sacks/lbs		
(3) DRILL METHOD		(10) STATIC WATER LEVEL
X Rotary Air Rotary Mud Cable Auger Cable Mud		Date $SWL(psi)$ + $SWL(ft)$
Reverse Rotary Other		Existing Well / Pre-Alteration
(4) PROPOSED USE Domestic X Irrigation Community	,	Completed Well 5/2/2012 98 Flowing Artesian? Dry Hole?
Industrial/ Commercial Livestock Dewatering		WATER BEARING ZONES Depth water was first found 321.00
Thermal Injection Other		SWL Date From To Est Flow SWL(psi) + SWL(ft)
(5) BORE HOLE CONSTRUCTION Special Standard (A	Attach copy)	
Depth of Completed Well 375.00 ft.		
BORE HOLE SEAL Dia From To Material From To A	sacks/	
	16 S	
12 21 298 Cement 278 298 10 298 375	10 S	
		(11) WELL LOG Ground Elevation
How was seal placed: Method A A B C D	E	Material From To
XOther POURED BENTONITE		Top Soil 0 3
Backfill placed from ft. to ft. Material Filter pack from ft. to ft. Material Size		Brown clay with broken rock 3 244 Consolidated Rock black 244 321
Explosives used: Yes Type Amount		Fractured Black Rock 321 372
(5a) ABANDONMENT USING UNHYDRATED BENTONI	TF	Granite 372 375
Proposed Amount Actual Amount		
(6) CASING/LINER		
Casing Liner Dia + From To Gauge Stl Plst V \bullet 10 \mathbf{X} 2 297 .250 \bullet \bullet	Wld Thrd	
$ \bigcirc \bigcirc$	$ \rightarrow $	
Shoe Inside Outside Other Location of shoe(s) 29		
Temp casing X Yes Dia 14 From 0 To 8		
(7) PERFORATIONS/SCREENS		
Perforations Method		
Screens Type Material Perf/ Casing/ Screen Scrn/slot \$lot # of	Tele/	Date Started 4/2/2012 Complete 5/2/2012
	pipe size	(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.
(8) WELL TESTS: Minimum testing time is 1 hour		License Number Date
Pump Bailer Air Flowing Air	rtesian	Signed
<u>Yield gal/min</u> Drawdown Drill stem/Pump depth Duration (h		(bonded) Water Well Constructor Certification
1000 370 3		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
Temperature 52 °F Lab analysis Yes By		construction standards. This report is true to the best of my knowledge and belief.
Water quality concerns? [Yes (describe below) TDS amount		License Number 1640 Date 6/1/2012
From To Description Amount	Units	
		Signed JEFF STOFFEL (E-filed) Contact Info (optional) Jeff Stoffel

ORIGINAL - WATER RESOURCES DEPARTMENT THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:

STATE OF OREGON	RAKE	52207	WELL I.D. LABEL#1	Page 1 of 107021		
WATER SUPPLY WELL REPORT	DAKE	52207	SZ207 START CARD #		207683	
(as required by ORS 537.765 & OAR 690-205-0210)	3/26/	2012	ORIGINAL LOG #	201005		
1) LAND OWNER Owner Well I.D. First Name Last Name	- ·-					
Company WILLIAMAS LAND LLC			ION OF WELL (legal			
Address 48857 HWY 30			Twp <u>7.00 S</u> N			
City NORTH POWDERState ORZip 97867		Sec <u>4</u>	NE 1/4 of the SE	1/4 Tax Lot <u>70</u>	1	
		Tax Map Numb	er	Lot		
	Conversion	Lat	" or		DMS or	
Alteration (complete 2a & 10) Abandonme	nt(complete 5a)	Long°	or		_ DMS or	
Dia + From To Gauge Stl Plstc Wld Th	nrd	C Str	eet address of well (No	earest address	_	
Casing:		48857 HWY 30	NORTH POWDER, OR 978	67		
Material From To Amt sacks/lbs						
Seal:						
3) DRILL METHOD		(10) STATIC	C WATER LEVEL Date		GUUT (A)	
Rotary Air Rotary Mud Cable Auger Cable M	1ud	Existing W	ell / Pre-Alteration	e SWL(psi) +	SWL(ft)	
Reverse Rotary Other			Well 2/26/2012	,	71	
4) PROPOSED USE Domestic Irrigation Commu	unity	a surficient	Flowing Artesian?		/1	
Industrial/Commercial X Livestock Dewatering	anney				210.00	
		WATER BEARI		ater was first found		
Thermal Injection Other		SWL Date	From To Es	st Flow SWL(psi)	+ SWL(f	
5) BORE HOLE CONSTRUCTION Special Standard	(Attach copy)	2/25/2012	310 394	75	71	
Depth of Completed Well <u>394.00</u> ft.						
BORE HOLE SEAL	sacks/			_		
Dia From To Material From To						
12 0 25 Bentonite 0 25	18 S					
8 25 394						
		(11) WELL I	LOG Ground Elevation			
How was seal placed: Method A B C D			Material	From	То	
Nother POURED BENTONITE		TOP SOIL			4	
Backfill placed from ft. to ft. Material			WITH BROKEN ROCK	4	240	
Filter pack from ft. to ft. MaterialS	ize	BLACK BASA		240	308	
			BLACK BASALT	308	394	
Explosives used: Yes Type Amount						
5a) ABANDONMENT USING UNHYDRATED BENTO	DNITE					
Proposed Amount Actual Amount						
6) CASING/LINER						
Casing Liner Dia + From To Gauge Stl Pl						
● ●						
Shoe Inside Outside Other Location of shoe(s						
Temp casing X Yes Dia <u>12</u> From <u>0</u> To	6					
) PERFORATIONS/SCREENS						
Perforations Method		L				
Screens Type Material		Date Started	2/19/2012 Com	plete <u>2/26/2012</u>		
Beinster Bler	# of Tele/	(unbonded) W	atar Wall Canatrustan Canti	fication		
Screen Liner Dia From To width length	slots pipe size		ater Well Constructor Certif he work I performed on the c		na alterativ	
			of this well is in compliant			
		construction sta	indards. Materials used and in	nformation reported	above are t	
			mowledge and belief.			
		License Numbe	r E	Date		
WELL TESTS: Minimum testing time is 1 hour						
,	ng Artesian	Signed				
	-	(bonded) Wate	r Well Constructor Certifica	etion		
Yield gal/min Drawdown Drill stem/Pump depth Durati	$\frac{\text{on}(\text{nr})}{1}$		sibility for the construction, of		or aband	
	·		on this well during the construction, of			
		performed duri	ng this time is in complian	ice with Oregon wa	ater suppl	
Temperature 54 °F Lab analysis Yes By		construction sta	ndards. This report is true to t	he best of my knowle	edge and be	
		License Numbe		Date 3/26/2012		
Water quality concerns? Yes (describe below) TDS amount From To Description Amo	unt Units					
		Signed JEFF	STOFFEL (E-filed)			
			otional)			

ORIGINAL - WATER RESOURCES DEPARTMENT THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:

