Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE ## G 17542

ROUTED TO: Water Rights - Jeana Township/
RANGE-SECTION: 235/32E - 28 29 32, 33

CONDITIONS ATTACHED? Myes [1 no REMARKS OR FURTHER INSTRUCTIONS:

WATER RESOURCES DEPARTMENT April 12 ,2002 **MEMO** Application G- 1754 TO: FROM: SUBJECT: Scenic Waterway Interference Evaluation YES The source of appropriation is within or above a Scenic Waterway NO YES Use the Scenic Waterway condition (Condition 7J) NO 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

			ection					Dat	e	April 12	<u>, 2012</u>		
1:	Groun	nd Water/	Hydrology	Section _	Mich	ael Zw	art						
ECT:	Annli	cation G-	17542					view of					
301.	търп	cation G	1/542		Su	perseue	.s IC (view 01			Date of Re	view(s)	
90-310-1 e, safety a rmine who	30 (1) 7 nd healt ether the	The Depart th as descri presumpti	ment shall p ibed in ORS on is establ	resume the 537,525. I ished. OAF	at a propos Department R 690-310-	ed grou t staff re 140 allo	view ws th	ground wat e proposed	er app use be	lications us modified	inder OA or condi	R 690-31 tioned to	10-140 meet
NERAL	<u>INFO</u>	<u>RMATIO</u>	<u>DN</u> : A	pplicant's 1	Name:	Andy]	Root	:		(County:	Harney	7
Applica	ınt(s) se	ek(s) 1.3	cfs fro	m five	well((s) in the	·	Malheur I	∡ake				Basin,
										Creek Slo	ough		
Propose	ed use:	Sur	n. Irrigatio	on. 102.5 a	c. Seas	sonality:		March 1 to	n Octo	nher 31			
											ınder log	gid):	
Log	id												
		2	Val	ley Fill	1.3				W	2000' S	5, 630' E 1	r NW cor	· S 28
			_					-					
		8											
Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Interv	als	Liner Intervals (ft)			Well Yield (gpm)	Draw Down (ft)	Test Type
4131	15	18	06/15/55	191	0-30			None			590	50	P
			05/04/63				?					57	P
													A
4130	?	30										100	P
	-		-		0 2 1	0 22 1		110110	702		1000	100	
Comme depth, so ere, so I	ents: <u>Th</u> the cas believe i	e older we ing interv it is likely	ell logs are pal is estimathat this we	ted above.	HARN 6	06 does	not r	report a sea	l, but	this cons	tructor s	ealed the	e older
manage (Not all Comme ———————————————————————————————————	ment of basin runts:	ground wa ules contain , istrative are	ter hydrauli n such provi	cally conne	ected to sur	face wa	ter _	are, or	are	not, activa	ated by th	is applica	ation.
	Propose Well and HARN HARN HARN HARN HARN HARN HARN HARN	IC INTEREST 390-310-130 (1) 7 2, safety and healirmine whether the sumption criteria. INERAL INFO Applicant(s) see Harney Proposed use: Well and aquife Logid HARN 601 HARN 606 HARN 51822 HARN 615 Tum, CRB, Bedrock Well First Elev Water ft msl ft bls 4131 15 4134 15 4133 ? 4130 40 4130 ? Tomments: The depth, so the case ere, so I believe is see additional. Provisions of the management of (Not all basin recomments: Well(s) # Name of admining the comments: Well(s) #	Application G- IC INTEREST PRESULTS (190-310-130) (1) The Departs (2) safety and health as descrimine whether the presumpti sumption criteria. This review (2) Sumption criteria. This review (3) Seek(s) 1.3 Harney Valley Proposed use: Sum Well and aquifer data (attack Logid Applicant Well # HARN 601 2 HARN 607 3 HARN 606 6 HARN 51822 7 HARN 615 8 Thum, CRB, Bedrock Well First SWL Fit bls ft bls	Application G- 17542 IC INTEREST PRESUMPTION; 390-310-130 (1) The Department shall personal	Application G- 17542 IC INTEREST PRESUMPTION; GROUN 690-310-130 (1) The Department shall presume that a safety and health as described in ORS 537.525. I mine whether the presumption is established. OAF sumption criteria. This review is based upon avail (NERAL INFORMATION: Applicant's Applicant(s) seek(s) 1.3	Revision G- 17542 Su IC INTEREST PRESUMPTION; GROUNDWATE 590-310-130 (1) The Department shall presume that a propose as safety and health as described in ORS 537.525. Department rmine whether the presumption is established. OAR 690-310-sumption criteria. This review is based upon available information in the information of the management of ground water hydraulically connected to sur (Not all basin rules contain such provisions.) Revision 1.7542 Supplements and 1.7542 Supplements: Revision 1.7542 Supplements and 1.7542 Supplements: Revision 1.7542 Supplements and 1.7542 Supplements	Reviewer's Na Supersede IC INTEREST PRESUMPTION; GROUNDWATER 190-310-130 (1) The Department shall presume that a proposed grow a safety and health as described in ORS 537.525. Department staff remine whether the presumption is established. OAR 690-310-140 allo sumption criteria. This review is based upon available information in the important of the important	Reviewer's Name Supersedes revenue Supersedes revenue Supersedes revenue Application G17542 Supersedes revenue Market Supersedes review is based upon available information and Supersedes of Superse	Reviewer's Name Supersedes review of IC INTEREST PRESUMPTION; GROUNDWATER 90-310-130 (1) The Department shall presume that a proposed groundwater use will a, safety and health as described in ORS 337.325. Department staff review ground wat mine whether the presumption is established. OAR 690-310-140 allows the proposed sumption criteria. This review is based upon available information and agency policy in the proposed sumption criteria. This review is based upon available information and agency policy. Applicant(s) seek(s) 1.3 cfs from five well(s) in the Malheur I Harney Valley subbasin Quad Map: Proposed use: Supp. Irrigation, 102.5 ac. Seasonality: March 1 to Well and aquifer data (attach and number logs for existing wells; mark proposed Logid Applicant's Proposed Proposed Location (T/R-5 QQ-Q) HARN 601 2 Valley Fill 1.3 23S/32E-28 SW-N-HARN 607 3 Valley Fill 1.3 23S/32E-28 SW-N-HARN 606 6 Valley Fill 1.3 23S/32E-29 SE-N-HARN 606 6 Valley Fill 1.3 23S/32E-39 NW-N-HARN 615 8 Valley Fill 1.3 23S/32E-33 NW-N-HARN 615 8 Valley Fill 1.3 23S/32E-32 NE-N-Um, CRB, Bedrock Well First SWL SWL Well Scal Casing Intervals (fit)	Reviewer's Name Supersedes review of IC INTEREST PRESUMPTION; GROUNDWATER 900-310-130 (1) The Department shall presume that a proposed groundwater use will ensure, safety and health as described in ORS 537.525. Department staff review ground water apprinine whether the presumption is established. OAR 690-310-140 allows the proposed use be sumption criteria. This review is based upon available information and agency policies in interval in the interval interval interval interval interval intervals i	ECT: Application G- 17542 Supersedes review of Sup	Reviewer's Name Date of Re Supersedes review of Date of Re	ECT: Application G- 17542 Supersedes review of Date of Review(s) LC INTEREST PRESUMPTION; GROUNDWATER 190-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the puit, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-3 mine whether the presumption is established. OAR 690-3 10-140 allows the proposed use be modified or conditioned to will be a sumption criteria. This review is based upon available information and agency policies in place at the time of evalus in the preservation of the puit. The proposed use be modified or conditioned to the of evalus in the preservation of the puit. The proposed will be a proposed use be modified or conditioned to the of evalus in the preservation of the puit. The proposed will be preservation of the puit. The proposed wells as such under logid: NERAL INFORMATION: Applicant's Name: Andy Root County: Harney Applicant's Proposed wells as such under logid: Supp. Irrigation, 102.5 ac. Seasonality: March 1 to October 31 Logid Applicant's Proposed Proposed Location Location Location and boun HARN 601 2 Valley Fill 1.3 235/32E-28 SW-NW 2000's 6.30' Efr NW con HARN 601 2 Valley Fill 1.3 235/32E-39 SW-NW 2000's 6.30' Efr NW con HARN 606 6 Valley Fill 1.3 235/32E-39 SW-NW 250' S. 250' Efr NW con HARN 5182 7 Valley Fill 1.3 235/32E-33 NW-NW 250' S. 350' Efr NW con HARN 5182 7 Valley Fill 1.3 235/32E-33 NW-NW 250' S. 350' Efr NW con HARN 5185 18 06/15/55 191 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 50 14134 15 7 2 240 0-30 0-160' None 50-155 590 50 50 50 50 50 50 50 50 50 50 50 50 50

Version: 08/15/2003

GR	<u>oun</u>	ND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070	
	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 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;	ıny
	b.	will not or will likely be available in the amounts requested without injury to prior water rights. * This find is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;	ing
	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)7N	
	a.	Condition to allow ground water production from no deeper than ft. 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;	1
	d.	 Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are like occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholdin issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Grow Water Section. Describe injury —as related to water availability—that is likely to occur without well reconstruction (interference version). 	g un
		senior water rights, not within the capacity of the resource, etc):	
	Gro	ound water availability remarks: Region Manager Ivan Gall recommends use of Condition 7N in this basin.	

continued

Date: April 12, 2012

Application G-17542

Ann	lication	G_{-1}	17542

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Date: April 12, 2012

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
All	Valley-fill sediments, Qal of GW Report #16		\boxtimes

Basis for aquifer confinement evaluation: Most wells report the static water level near the depth where groundwater was 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 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 Subst. Inte Assume	erfer. d?
	_						YES	NO
	_							

Basis for aquifer hydraulic connection evaluation: The local creeks/sloughs are subject to the memo by Ivan Gall, 1/15, 2008: Stream Assessment for Division 9 Review in the Malheur Lakes Basin. They are intermittent and likely contain water only in very wet years. Groundwater likely provides negligible baseflow to these creeks. There is no need to perform a formal assessment of the multiple wells proposed for these creeks.

Water Availability Basin the well(s) are located within: Poison Cr Slough > Ninemile Slough at mouth (31200106).

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 < ½ 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

Date:	April	12	2012	

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 doe	s 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.

	istributed												
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	ence CFS												
D: 4 !!													
Well	outed Well SW#	s Jan	Feb	Mar	A n.e.	Mov	lum	T. 1	A~	Com	Oat	Nov	Dag
Well	3 W #	7411 %	reu %	1V1a1	Apr %	May %	Jun %	Jul %	Aug %	Sep	Oct	Nov %	Dec %
Well Q	oc CES	/0	/0	/0	/0	70	70	70	70	76	70	70	70
	ence CFS												
mener		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	ac CES	,,	,,	/•	/•	70		70	70	70	70	70	
_	ence CFS												
Interier er		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS	,,,			,,,	, ,	- '	,,,	,,,		,,,	,,,	,,,
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
(A) - To	otal Interf.												
	% Nat. Q												
	% Nat. Q												
(0)-1	70 Mat. Q												
(D) = (A	(C)	,	-				,	'n	4		39	,	1
(E) = (A	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(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.

ication G-1/342 continued	Date: <u>April 12, 2012</u>
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 V
Rights Section.	
8	
If properly conditioned, the surface water sou	urce(s) can be adequately protected from interference, and/or ground water
under this permit can be regulated if it is found	I to substantially interfere with surface water:
promise the second seco	
ii The permit should contain ensaid	on #(s) condition(s) as indicated in "Remarks" below;
ii. 🗀 The permit should contain special	condition(s) as indicated in Remarks below,
N / GW Remarks and Conditions	
eferences Used: Local well logs; local recent	reviews; GW Report 16, by Leonard, 1970; Greene, Walker, and
	adrangle, Oregon, USGS Miscellaneous Geologic Investigations Map
	sessment for Division 9 Review in the Malheur Lakes Basin.
o, memo by Ivan Gan, 1/15, 2000. Stream As	sessment for Division > Review in the Maintain Bares Basin.
	

App	licati	ion G- <u>17542</u>	co	ntinued			Date: April 12, 20	012	
D. <u>V</u>	WEI	LL CONSTR	RUCTION, C	OAR 690-200					
D1.		Well #:	3	_ Logi	d: <u>HARN 60</u>	6	_		
D2.		a. revie b. field c. repor	w of the well l inspection by t of CWRE				on:		
D3.		a.	ningles water to its the loss of a its the de-wate	threat under Division more than one	e ground water re	eservoirs;			
D4.		however, bas	ed on other w		his constructor,	I suspect that	Report does not rep this was an oversig		
	,								
				<u> </u>					
D5.	,	THE WELL		was, or was no original construction.	on or most recent	modification.	tandards in effect at	the time of	
			0.	I don't know it it i	net standards at t	ne time of cons	struction.		
D6.							e permit until evider Ground Water Sect		nstruction
TH	IS S	ECTION TO	D BE COME	PLETED BY EN	FORCEMEN	T PERSONN	VEL		
D7.		Well construc	tion deficiency	has been correcte	d by the followin	g actions:			
									_, 200
		(Enfo	rcement Secti	on Signature)					
D8.		Route to Wa	ter Rights Sec	ction (attach well	reconstruction	logs to this pag	ge).		
									_

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the O ISCWATER WELL REPORT STATE ENGINEER, SALEM 10, OFFICATE EPIGINESTATE OF OREGON within 30 days from the date of well completion. State Well No. 23 State Permit No. . (11) WELL TESTS: Drawdown is amount water level is lowered below static level (1) OWNER: DUHAIME Was a pump test made? Yes 🗆 No If yes, by whom? Name RURNS OREGON gal./min. with 100 ft. drawdown after 10 17 (2) LOCATION OF WELL: Bailer test gal./min. with ft. drawdown after hrs. County HARNEY Driller's well number Artesian flow g.p.m. Date 14 Section 32 T. 235 R. 326 Temperature of water Was a chemical analysis made?

Yes You Bearing and distance from section or subdivision corner 300' WEST 50' SOUTH OF THE (12) WELL LOG: Diameter of well below casing .. GRTH EAST CORNER OF SEC 32 Depth drilled 224 ft. Depth of completed well 224 Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. MATERIAL. TROM TOP SOIL (3) TYPE OF WORK (check): Well 🕱 Deepening 🔲 Reconditioning 🗀 FINE 8 Abandon [] 22 SAND andonment, describe material and procedure in Item 12. BLUE 21 Chay 60 GRAVEL MeD 60 62 (4) PROPOSED USE (check): (5) TYPE OF WELL: 62 BLUE 96 LAV Rotary Driven 🗆 Domestic 🗌 Industrial 🗎 Municipal 🗎 GRAVEL MED Irrigation 🙀 Test Well 🔲 Other Dug Bored BLUE 200 GRAVEL MED 200 (6) CASING INSTALLED: Threaded [Welded X 210 224" Diam. from _____ ft. to _____ ft. Gage ft. Gage 30"X 3/8" X 24' CONDUCTOR CASING WAS INSTALLED TO SPAL OF TOP WATER (7) PERFORATIONS: Perforated? XYes | No CONDUCTOR CASING WAS Type of perforator used TORCH CUT IN 30" HOLE AND STOPPED INCLA Size of perforations 3/16 in. by SEALED WITH PUDDLED /300 perforations from 90 ... perforations from ft. to ft. to ... perforations from ft. to ... perforations from ft. to perforations from ft. to ft. (8) SCREENS: Well screen installed ☐ Yes M No Manufacturer's Name Model No. Diam. Slot size ____ Set from ____ ft. to 6 - 19 1963. Completed 6 - 28 19 63 Diam. Slot size Set from ft. to Date well drilling machine moved off of well (9) CONSTRUCTION: (13) PUMP: Well seal-Material used in seal 24-30"x3/8" Conductor Manufacturer's Name .. Depth of seal _____ ft. Was a packer used? He Canny Diameter of well bore to bottom of seal Water Well Contractor's Certification: Were any loose strata cemented off? ☐ Yes X No Depth ... Was a drive shoe used?
Yes

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

MCGUIRE DRILLING CO (Person, firm or corporation)

Drilling M	lachine Or	erator's Lice	nse No	8/		*********
_		1. me				
[Signed]	70				**************	
-	//		r Well Cont	4 -		
Contracto	r's License	No. 3.83.	Date	7-2		19.4.3

Depth of strata

Was well gravel packed? M Yes [] No Size of gravel: 34 Man Gravel placed from _____ft. to _____ft.

Did any strata contain unusable water?

Yes No

Type of water?

Method of sealing strata off

ORIGINAL File Original, and WIN 4 1956 WATER WELL DRILL	LERS REPORT DO Not State Wall No. 23/32 - 28E(1)
File Original, and U JUN 4 1956 WATER WELL DRILL Duplicate with the STATE ENGINEER STATE OF OR	Not state well No.
SALEM, OREGONS IN LE LINGINGE	State Permit No.
(1) OWNER: SALEM, OREGON	(10) WELL TESTS:
Name TJ. Duhaime & Bessie Dulinime	Was a pump test made? Yes 🗆 No If yes, by whom? 👌 WNE 🎵
Address Burns Oregon	Yield: F90 gal./min. with 50 ft. draw down after 100 hrs.
	n n
(2) LOCATION OF WELL:	n n n
County Harnes Owner's number, if any 2	Artesian flow g.p.m. Shut-in pressure lbs, per square inch.
R. F. D. or Street No.	Bailer test g.p.m. withft. drawdown
Bearing and distance from section or subdivision corner	Temperature of water Was a chemical analysis made? ☐ Yes 🛣 No
Will my 2 in located 2/38	Was electric log made of well? Yes No
lection 28 Full 232 Range 32 F. W.M.	(11) WELL LOG:
	0 4 A L "
(3) TYPE OF WORK (check):	101
New well Deepening Reconditioning Abandon	Total depth / ft. Depth of completed well / 7/ ft.
G abandonment, describe material and procedure in Item 11.	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) PROPOSED USE (check): (5) EQUIPMENT:	ft. to 30 ft.
Domestic ☐ Industrial ☐ Municipal ☐ Rotary ☐	30" 55 " blue shale.
Cable S	55" 65 " armes and water flow
Irrigation Test well Other Dug Well	45" 115 " Oblese shale
(6) CASING INSTALLED: If gravel packed	115" 145 " araiset & water flaw
Threaded Welded Gage	145" 150 " Volue clay
FROM 1 ft. to 7 / ft. 8 Diam. 3/8 wall of Bore from to ft.	150" 155" 11
"65" 95" L"" 364"	155 /10 11 11 11
n n n n n	11.0 16.5 " " " " " " " " " " " " " " " " " " "
33 33 31 31 31 31 31 31 31 31 31 31 31 3	
D	176 175 " " " "
Type and size of shoe or well ring () Size of gravel:	181" 189" and
Type and size of shoe or well ring (Size of gravel:	189" 191 " sorrer water fland
Describe four Wellers	
(7) PERFORATIONS:	n n
Type of perforator used cut by Torch	" "
SIZE of perforations in., length, by in. FROM Th ft. to 1.5 Left. 2 perf per foot No. of rows	"
"11F" 15F 1" 11 8" " " " " "	D 0
"ing we treat alternation rout	н п
Jours aproximatly four in child"	n n
" apart I" "	1)
screens://	"
Give Manufacturer's Name, Model No. and Size	n n
	n "
(8) CONSTRUCTION: Was a surface sanitary seal provided? ★ Yes □ No To what depth 30 ft.	n n
Were any strata scaled against pollution? Yes No	Ground elevation at well site
If yes, note depth of strata	Work started Leve /0 19 55 Completed 14 19 55
FROM ft. to ft.	Well Driller's Statement:
risawas welded to casing to prevent surface	This well was drilled under my jurisdiction and this report is
METHOD OF SEALING water from oring into well	true to the best of my knowledge and belief.
(9) WATER LEVELS:	NAME PAUL & ChrisLEY
Depth at which water was first found /5 ft.	(Person, firm, or corporation) (Typed or brinted)
Standing level before perforating Put in before pipe was ft.	Address BUTNS OFFIN
Standing level after perforating /8 ft.	Driller's well number
Log Accepted by:	[Signed] Hun Hohrley
[Signed] Dated June 15, 1955	License No. Will Dated June 15, 1955
Busie nichaims	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

The state of the s	
ORIGINAL OF WATER WELL DRILL	LERS REPORT Do Not State Well No. 23/32 -29 H(1)
Duplicate with the	-607
	EGON State Permit No. U. 7.3/
(1) OWNER ALEM, OREGON	(10) WELL TESTS: OBSERVATION WELL
Name T. J. Duhainso & Busil hickarne	Was a pump test made? Y Yes No If yes, by whom?
Address Burns Organ	Yield: 1/50 gal./min. with 5 7 ft. draw down after 17 hrs.
	11 11 11
(2) LOCATION OF WELL;	39 39 34
County Hames Owner's number, if any— Tho EE	Artesian flow
R. F. D. or Street No.	Shut-in pressure
Bearing and distance from section or subdivision corner	Temperature of water Was a chemical analysis made? Yes Yo No
Well no 3 is located 1826 ft	Was electric log made of well? Yes No
S. and 10 40 ft W. Acom Mr. Church	(11) WELLIOC.
	(11) WELL LOG: Diameter of well, 2 1911 inches.
(3) TYPE OF WORK (check):	m ILA
New well Deepening Reconditioning Abandon	Total depth 240 ft. Depth of completed well 270 ft.
t abandonment, describe material and procedure in Item 11.	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each
(4) PROPOSED USE (check): (5) EQUIPMENT:	stratum penetrated, with at least one entry for each change of formation.
Domestic Industrial Municipal Rotary	II " HA " Brown with
Imigation Target Well Cother C	Ho" Fo " Blue I - he o
Dug Well	50" 65 " gravel
(5) CASING INSTALLED: If gravel packed	45" 100 " Blue shall
Threaded Welded Gage	100" 105 " anne + sand
FROM / ft. to 7.5 ft. 12 Diam. 18 or Diameter from to of Bore ft. ft.	105" 125" 9 11 11
"75"115" "3/4" ""	125" 145 " Blue shale
11 11 11 11 11	145" 155" sandy abole.
32 24 34 35 35 35 35 35 35 35 35 35 35 35 35 35	155" 165 " gravel
n 11 11 11 11 11 11	165 195 VILL ON ONE
Type and size of shoe or well ring	211 215 " " "
	215" 225" Sandy shall
N. I. I. A.	225" 240" amuel anna
(7) PERFORATIONS:	
Type of perforator used cut by tarch	" "
SIZE of perforations in., length, by 4 in. FROM 50ft. to 15 ft. 1140 perf per foot No. of rows	" "
"115" 1() "109 19" " " "	n n
"margetical alteriation a many	3) 11
cours anonamathe four in this	n n
" apart. I " " "	" "
SCREENS!	11 11
Give Manufacturer's Name, Model No. and Size	" "
	n n
(8) CONSTRUCTION: Was a surface sanitary seal provided? ★ Yes □ No To what depth? ↑ ft.	" "
Were any strata sealed against pollution? Yes No	Ground elevation at well site 4/140 feet above mean sea level.
If yes, note depth of strata	Work started U. 1.5 19 6 6 Completed 1 15 19 6
FROM It to Ring was twilded to	Well Driller's Statement:
casing to prevent emplace integration	This well was drilled under my jurisdiction and this report is
METHOD OF SEALING ounding into well	true to the best of my knowledge and belief.
(9) WATER LEVELS:	NAME PAUL G ChnisLEY
Depth at which water was first found /3 ft.	(Person, firm, or corporation) (Typed or printed)
Standing level before perforating fit while pine was ft.	Address BUTNS OnegoN
Standing level after perforating Put in Unil ft.	Driller's well number
Log Accepted by:	[Signed] Land of Chushy
[Signed] () When Dated June 25, 1955	License No
Recail Williams	License No
יין דעקע	

RECEIVED MAY 14 1962

File Original and First Copy with the STATE ENGINEER, SALEM OREGON STATE ENGINEWATER WELL REPORT

606 State Well No. 23/32-291

SALEM, OREGON	State Permit No.
(1) OWNER: J. J. Duhaime	(11) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes You If yes, by whom?
Address	Yield: gal./min. with ft. drawdown after hrs.
Bure, Organ	" Barry and I to drawdown about 1113.
(9) I OCADIONI OEI WEIT.	23 23 21
(2) LOCATION OF WELL:	Bailer test gal./min. with ft. drawdown after hrs.
County HARNEY Owner's number, if any-	Antonian Starr
14 N 14 Section 21 T. 235 R. 32F	W.M.
Bearing and distance from section or subdivision corner	Temperature of water O C Was a chemical analysis made? Yes A
	(12) WELL LOG: Diameter of well inches.
	1
	Depth drilled 2/2 ft. Depth of completed well 8 2 ft.
<u> </u>	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
	stratum penetrated, with at least one entry for each change of formation.
	MATERIAL FROM TO
(9) WYDE OF WORK (alack).	The same of the same of the
(3) TYPE OF WORK (check):	Top sail 0 4
	andon that fave 4 14
If abandonment, describe material and procedure in Item 11.	
PROPOSED LISE (-La-L). (5) TWDE OF WE	Buther Stone 18 20
PROPOSED USE (check): (5) TYPE OF WE	- 100 Class
Domestic Industrial Municipal Rotary Driver Cable Jetted	
rrigation Test Well Other Dug Bored	
	- Alue Sande Alule 110 140
(6) CASING INSTALLED: Threaded [] Welded	" " " " " " " " " " " " " " " " " " "
12 " Diam from O tt. to 90 ft. Gage	
" Diam. from ft. to ft. Gage	
Diani, Holli	
(7) PERFORATIONS: Perforated? Yes N	No This well were plugged off
Type of perforator used TORCh	, 77 M
SIZE of perforations 1/d' in. by /2 in.	- Crume 83 11 to 85 11.
perforations from 15 ft. to 20	
perforations from 2 ft. to 7.7	
perforations from ft. to	C. Annual Marie In C. C. U.S. A. F.
perforations from ft. to	
perforations from ft. to	1. 130 df 07 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(a) contrate we have	- June 1 of account
(8) SCREENS: Well screen installed Yes	
Manufacturer's Name	
TypeModel No	
Slot size Set from ft. to	
Slot size Set from ft, to	
(9) CONSTRUCTION:	(13) PUMP :
Was well gravel packed? 🗌 Yes 🖟 No Size of gravel:	Manufacturer's Name
Gravel placed from ft. to ft.	Туре: Н.Р.
Was a surface seal provided? 🗌 Yes 📋 No To what depth?	ft.
Material used in seal—	Well Driller's Statement:
Did any strata contain unusable water? 🔲 Yes 🕩 No	This well was drilled under my jurisdiction and this report is
Type of water? Depth of strata	true to the best of my knowledge and belief.
Method of sealing strata off	lower Do a Black
	NAME (Person, firm, or corporation) (Type or print)
(10) WATER LEVELS:	
Static level 15 ft. below land surface Date	Address
Artesian pressure lbs. per square inch Date 5-	Driller's well number
Log Accepted by:	[Signed](Well Driller)
[Signed] Date	(Well Driller)
(Owner)	19 Date

HARN 51822

12-14-2011

Page	1	of	1
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STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L	107661
START CARD#	1015411

(1) LAND OWNER Owner Well I.D.	(9) LOCATION OF WELL (legal description)
First Name Last Name	County Harney Twp 23.00 S N/S Range 32.00 E E/W WM
Company ACW	Sec <u>33</u> <u>NW</u> 1/4 of the <u>NW</u> 1/4 Tax Lot 5300
Address PO Box 751	Tax Map Number Lot
City Burns State Or Zip 97720	Lat O O DMS or DD Long O O DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	
Alteration (repair/recondition) Abandonment	Street address of well • Nearest address
(3) DRILL METHOD Rotary Air Rotary Mud Cable Auger Cable Mud	34103 Rye Grass Lane Burns, Or 97720
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)
	Date SWL(psi) + SWL(ft) Existing Well / Predeepening
(4) PROPOSED USE Domestic Irrigation Community	Completed Well 12-09-2011 40
Industrial/ Commercial Livestock Dewatering	Flowing Artesian? Dry Hole?
Thermal Injection Other	WATER BEARING ZONES Depth water was first found 40
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy	SWL Date From To Est Flow SWL(psi) + SWL(ft)
Depth of Completed Well 650.00 ft.	12-09-2011 40 650 400 40
BORE HOLE SEAL sacks. Dia From To Material From To Amt lbs	
Dia From To Material From To Amt lbs 18 0 20 Bentonite Chips 0 20 60 S	
14 20 160 Behinnie Chips 0 20 80 S	
12 160 650	(11) WELL LOG Ground Florestion
	(11) WELL LOG Ground Elevation
How was seal placed: Method A B C D E	Material From To
Other poured & tamped	Topsoil Clay Loam 0 1 Clay brown 1 30
Backfill placed from ft. to ft. Material Filter pack from ft. to ft. Material Size	Clay oney
Filter pack from ft. to ft. Material Size	Clay grey 30 42 Sand medium 42 60
Explosives used: Yes Type Amount	Clay grey 60 80
(6) CASING/LINER	Sand fine black 80 102
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	Clay green 102 120
	Sand fine black 120 180 Clay green 180 480
0 12 2 220 .250 0 0	Clay green 180 480 Claystone green 480 650
	480 630
Shoe Inside Outside Other Location of shoe(s)	
Temp casing Yes Dia From To	
(7) PERFORATIONS/SCREENS	
Perforations Method	
Screens Type Material	
Perf/S Casing/ Screen Scrn/slot Slot # of Tele/creen Liner Dia From To width length slots pipe size	Date Started 11-21-2011 Completed 12-09-2011
	(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 Artesian	Electronically Filed
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	Signed
400 300 1	(bonded) Water Well Constructor Certification
	I accept responsibility for the construction, deepening, alteration, or abandonment
OF Laboratory D	work performed on this well during the construction dates reported above. All work
Temperature 70 °F Lab analysis Yes By	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.
Water quality concerns?	
	License Number 1424 Date 12-14-2011 Electronically Filed
	Signed TIMOTHY K RILEY (E-filed)
	Contact Info (optional)

TRANSFER MAP TO ACCOMPANY APPLICATION TO ADD A POINT OF APPROPRIATION AND CHANGE PLACE OF USE FOR ANDY ROOT

TAX LOTS 4900 & 5000 IN SECTION 29, TOWNSHIP 23 SOUTH, RANGE 32 EAST, W.M. HARNEY COUNTY, OREGON RECEIVED

MAR 2 8 2012

WATER RESOURCES DEPT SALEM, OREGON

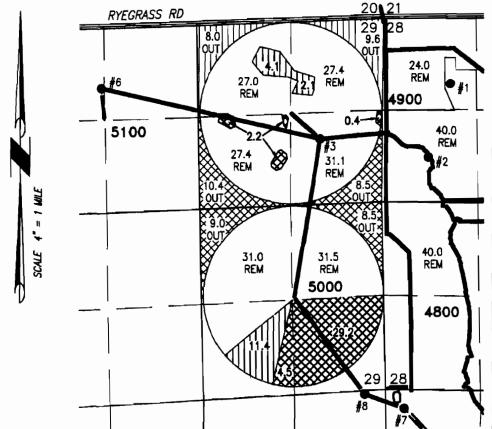
, 767 (CRR)
<, OREGON 97760
<, -5833 PH

P.O. BOX

548-5833

541)

XXX.



WELL #1 (HARN 600) PERMIT: G-16 950' SOUTH & 950' EAST FROM NW CORNER

- SECTION 28 WELL \$2 (HARN 601) PERMIT: G-16 2000' SOUTH & 630' EAST FROM NW CORNER SECTION 28.
- WELL #3 (HARN 607) PERMIT: G-16 1690' SOUTH & 920' WEST FROM NW CORNER SECTION 28.



RENEWAL DATE: 12/31/2012

THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RICHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES.

- WELL #6 (HARN 606) PROPOSED 860' SOUTH & 1280' EAST FROM NW CORNER SECTION 29.
- **#7** WELL #7 (HARN 51822) PROPOSED 250' SOUTH & 250' EAST FROM NW CORNER SECTION 33.
- WELL #8 (HARN 615) PROPOSED 50' SOUTH & 300' WEST FROM NE CORNER SECTION 32.

BURIED 6 OR 8 INCH STEEL PIPE



17.6 ACRES SUPPLEMENTAL IRRIGATION, C#35332 (G-16), TRANSFERRED" AS SHOWN



36.3 ACRES SUPPLEMENTAL IRRIGATION, C#26078 (U-731), TRANSFERRED AS SHOWN

PREPARED AT THE REQUEST Z ∞ 0 2 M 11 - 040**IGHWA** 9 ROOT Š. PROJECT ANDY 4 $\stackrel{\scriptstyle Z}{=}$ S

