Groundwater Application Review Summary Form

Application # G- 18895
GW Reviewer Phil Marcy Date Review Completed: Z/26/2020
Summary of GW Availability and Injury Review:
[] Groundwater for the proposed use is either over appropriated, will not likely be available in the amounts requested without injury to prior water rights, OR will not likely be available within the capacity of the groundwater resource per Section B of the attached review form.
Summary of Potential for Substantial Interference Review:
[] There is the potential for substantial interference per Section C of the attached review form.
Summary of Well Construction Assessment:
[] The well does not appear to meet current well construction standards per Section D of the attached review form. Route through Well Construction and Compliance Section.

This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations and for conditions that may be necessary for a permit (if one is issued).

WATER RESOURCES DEPARTMENT Feb. 26, 2020 **MEMO** Application G-18895 TO: GW: Phil Marcy FROM: **SUBJECT: Scenic Waterway Interference Evaluation** YES X The source of appropriation is within or above a Scenic Waterway П NO YES X Use the Scenic Waterway condition (Condition 7J) NO 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 K 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 GROUNDWATER APPLICATIONS

TO: Water Rights Section FROM: Groundwater Section						Date <u>02/26/2020</u> Phillip I. Marcy								
TKOM:		Ground	water sec	110II		ъ.								
SUBJE	CT:	Applica	tion G- 18	3895		Supe	ersedes r	eview of	f					
			<u></u>	,0,0		Sup.]	Date of Rev	iew(s)		
OAR 69 welfare, to determ the presu	safety and nine whet	0 (1) The d health her the priteria. T	e Departme as describe resumption his review	ed in ORS 5. n is establish v is based u	sume that 37.525. De ned. OAR pon availa	a proposed epartment s 690-310-14 able inform	d groundvataff reviends 40 allows nation and	the prop	dwater osed us y polici	asure the prese applications un se be modified tes in place at	nder OAR or condit the time	690-310 ioned to r	-140 neet tion .	
A1.	Applican	t(s) seek	(s) <u>3.85</u>	cfs from	_1	well(s)) in the _	Grand	e Rond	le			Basin,	
	-					subbas	sin							
A2.										ober 1 st (214 da	•			
A3.	Well and				ber logs f					vells as such u				
Well	Logic	i	Applicant's Well #	Propose	d Aquifer*	Propo			cation		on, metes a N, 1200' E			
1	1 UNIO 50684				asalt	Rate(c			S QQ-Q -12 SE-S		N, 1200 E N, 1994'E fr			
3														
4														
5	CDD F													
* Alluviu	m, CRB, E	sedrock												
	Well	First	SWL	SWL	Well	Seal	Casing		ner	Perforations	Well	Draw	Test	
Well	Elev ft msl	Water ft bls	ft bls	Date	Depth (ft)	Interval (ft)	Interval (ft)	1	rvals ft)	Or Screens (ft)	Yield (gpm)	Down (ft)	Type	
1	2775	154	-30.03	03/24/2008	3138	0-197; 1772- 1872	0-1772		NA	1772-1952; 2352-2472; 2417-2457; 2587-2687; 2697-2767; 2817-3138	1700	36' in 7 hours	Pump	
Use data	from appli	cation for	proposed w	ells.										
A4.	Comments: The proposed POA well is constructed to produce from Powder River Volcanics and associated volcaniclastic lithologies at depths below 1872' below land surface. This well is an authorized POA on three existing water rights, Certificate 89503, Permit G-12738, and Permit G-15160, for a total authorized rate of 6.7 cfs, and is also the solitary POA well on application G-18894, with a maximum proposed rate of 5.18 cfs. This application, proposing 3.85 cfs of additional appropriation, brings the total maximum proposed rate to 15.73 cfs. Based upon pump test results, pumping the proposed POA well at this combined rate would likely result in drawdowns between 241 and 266 feet after 214 days.													
A5. 🛛	managen (Not all b	nent of groasin rule ts:	es contain s	r hydraulica such provisi	lly connections.)	eted to surfa	ace water	are,	or 🛛 :	the developme are not, activa	ted by thi	s applicat	ion.	
A6. 🗌	Name of	administ	trative area	:						limited by an				

Version: 05/07/2018

Date: 02/26/2020

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

B1.	Based upon available data, I have determined that groundwater* 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 groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;								
	b.	will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;								
	c.	\square will not or \square will likely to be available within the capacity of the groundwater resource; or								
	d.	will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource: i.								
B2.	a.	Condition to allow groundwater production from no deeper than ft. below land surface;								
	b.	Condition to allow groundwater production from no shallower than ft. below land surface;								
	c.	Condition to allow groundwater production only from the groundwater 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 Groundwater 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.	Colu from certi unde the n	undwater availability remarks: The proposed POA well, UNIO 50684, produces from volcanic flow rocks and ciated volcaniclastics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the imbia River Basalt Group. Based on construction and similar head elevations, two nearby wells appear to produce water the same source aquifer. UNIO 2046 lies about 3 miles NNE of the proposed POA, is authorized for irrigation use under ficate 90496, and belongs to the applicant. UNIO 173 is located 2.75 miles due north of the proposed POA, is authorized or certificate 51170 and permits G-15644 and G-16963, and is not owned by the applicant, and therefore likely represents most likely target of possible well to well interference.								
	value serie cfs fo perfo mean	osed rate herein and on pending application G-18894 (5.18 cfs), a total of 15.73 cfs. Using a range of transmissivity es derived from nearby pump tests in basalt wells, and a range of storativity values appropriate for confined aquifers, a s of Theis drawdown calculations were performed. Expected impacts at UNIO 173 from pumping UNIO 50684 at 15.73 or a period of 214 days fall between 34 and 59 feet under the most likely scenarios (using transmissivity from pump test permed on the POA well). Static water levels in UNIO 173 are typically between 55 and 85 feet above land surface, ming that if 59' of drawdown does occur, resulting static water level may be below land surface for a portion of the action season.								

Date: 02/26/2020

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

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

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Powder River Volcanics and CRBG	\boxtimes	

Basis for aquifer confinement evaluation: The applicant's well produces from depths below 1872' below land surface, and flows artesian at land surface. It is typical for wells producing from deep-seated volcanic aquifers in this region to have static water levels well above the elevation of their respective water-bearing zones.

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	Canyon Creek	2805	2720	5200		

Basis for aquifer hydraulic connection evaluation: Groundwater in the deep-seated volcanic aquifer in the Grande Ronde Valley is likely hydraulically isolated, due to thick successions of volcanic rock and fine-grained sediments that severely limit the ability of groundwater to migrate vertically. In addition, the elevation difference between groundwater in the POA well and surface water within 1 mile are significantly different.

Water Availability Basin the well(s) are located within: GRANDE RONDE R> SNAKE R- AB WILLOW CR

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 \boxtimes box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < 1/4 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?

Application G-18895

Date: 02/26/2020

4

Page

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.

C Turutt	addition and minitations 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.

	istributed		Б.1					T 1		C	0	N	Б
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfere	ence CFS												
Distrib	uted Well	ls											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfer	ence CFS												
$(A) = T_0$	otal Interf.												
	% Nat. Q												
	% Nat. Q												
	3												
	$(\mathbf{A}) > (\mathbf{C})$	ν'	*	V V	- V	v.	7	√ .	¥	- ×	v v	Y.	~
$(\mathbf{E}) = (\mathbf{A}$	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(4)	. 1	
		as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.
		act evaluation: This section does not apply.
CAL	(00.00.040	
C4b.	690-09-040 Rights Se	(5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water ction.
C5.	under this pe	conditioned , the surface water source(s) can be adequately protected from interference, and/or groundwater use ermit 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;
		p constitution of constitution (b) as maintained in terminal constitution (c)
C(C)	W / CW D	
		rks and Conditions: n: If a permit is issued, OWRD staff shall be granted access to the POA well in order to conduct static water level
		addition to yearly static water level measurements in March required by Condition 7N in Section B1 above.
-		
_		
_		
_		
_		
_		
_		
_		
R	References Used	d: Development Potential of Ground Water in the Grande Ronde Valley, Union County, Oregon, Ham, 1966
		Connell, V. S., Madin, I. P., and Johnson, J. A., 2010, Geology of the upper Grande Ronde River basin, Union Oregon Department of Geology and Mineral Industries Bulletin 107, scale 1:100,000, 65 p.
<u>O</u>	OWRD water lev	<u>rel database.</u>
<u>G</u>	Froundwater app	olication review G-17558; G-18894.

Date: 02/26/2020

5

Page

Application G-18895

Application G-18895 Date: 02/26/2020 Page 6

D. WELL CONSTRUCTION, OAR 690-200

D1.	Well #:	Logid:
D2.	a. review of the well log;	current well construction standards based upon:
	b. I field inspection by	;
	c. report of CWRE	;
	d. d. other: (specify)	
D3.	THE WELL construction deficiency	or other comment is described as follows:
D4.	Route to the Well Construction and	Compliance Section for a review of existing well construction.

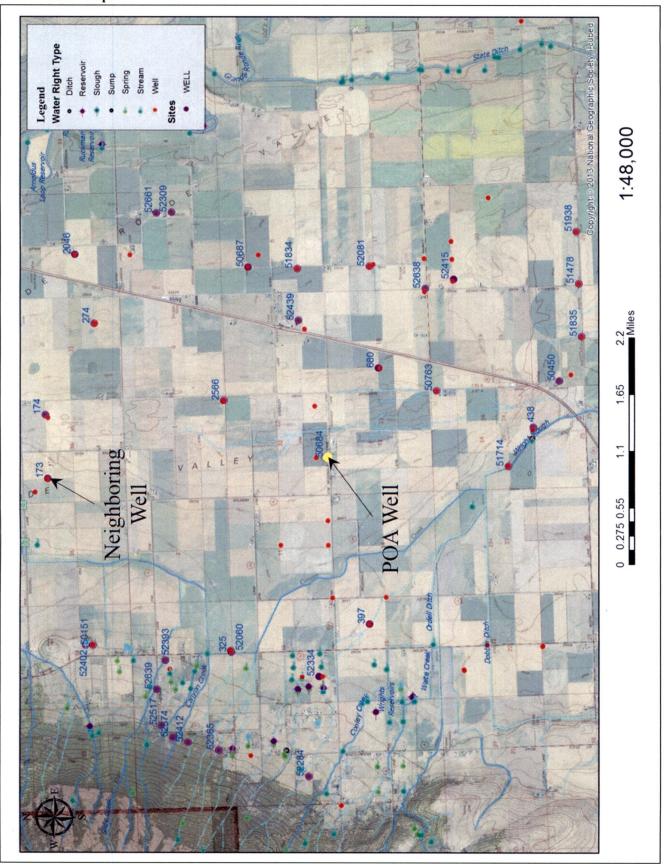
Water Availability Tables

		DETAILED REPORT	ON THE WATER AVAILA	BILITY CALCULATIO	N	
Watershed I Time: 3:52	D #: 30810407 PM	GRANDE RO	ONDE R > SNAKE R - A Basin: GRANDE RO		Exc	eedance Level: 80 Date: 02/11/2020
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirements	Net Water Available
		Storage is t	Monthly values a he annual amount at	re in cfs. 50% exceedance i	n ac-ft.	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	138.00 246.00 431.00 966.00 1,100.00 530.00 257.00 185.00 127.00 85.60 93.10 111.00	17.70 21.70 23.50 148.00 332.00 293.00 138.00 90.20 63.60 23.30 15.00	120.00 224.00 408.00 818.00 768.00 237.00 119.00 94.80 63.40 62.30 78.10	23.70 62.30 118.00 131.00 187.00 58.40 0.00 0.00 0.00 1.55 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	96.60 162.00 290.00 687.00 581.00 179.00 119.00 94.80 63.40 60.80 78.10
ANN	429,000	71,500	358,000	35,900	0.00	322,000

Version: 05/07/2018

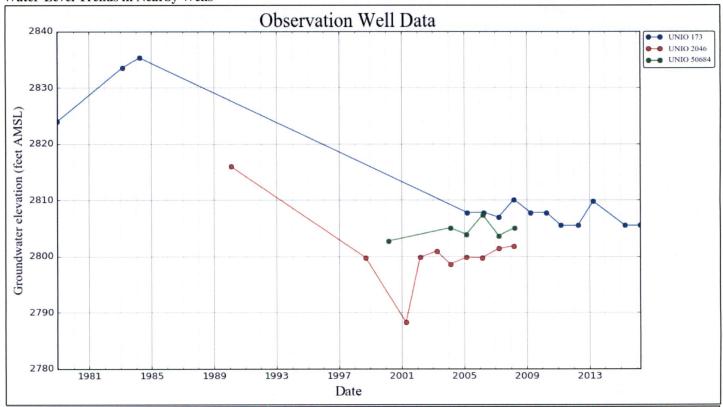
Date: 02/26/2020

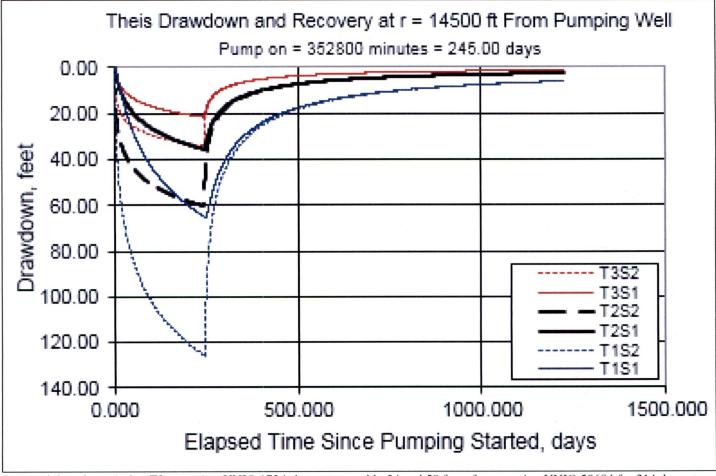
Well Location Map



Application G-18895 Date: 02/26/2020 Page 8

Water-Level Trends in Nearby Wells





Expected drawdown (using T2 curves) at UNIO 173 is between roughly 34 and 59 feet after pumping UNIO 50684 for 214 days at a rate of 15.73 cfs, the combined rate of current authorizations and the proposed rate on this application.

MEMO

diff

To:

Kristopher Byrd, Well Construction and Compliance Section Manager

From:

Joel Jeffery, Well Construction Program Coordinator

Subject:

Review of Water Right Application G-18895

Date:

March 3, 2020

The attached application was forwarded to the Well Construction and Compliance Section by Water Rights. Phil Marcy reviewed the application. Please see Phil's review and the Well Log.

Applicant's Well #1 (UNIO 50684): Based on a review of the Well Report, Applicant's Well #1 seems to protect the groundwater resource.

The construction of Applicant's Well #1 may not satisfy hydraulic connection issues.

50684

APR 1 3 2000

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPT. SALEM, OREGON WELL I.D. # L. 40494 START CARD # 1/4/4/

Instructions for	completing this repo	rt are on the last pa	ge of this form.				
(1) OWNER:		Well Numbe	er	(9) LOCATION OF V	VELL by legal descri	iption:	
Name GRE9	BINGAM	AM		County UNION		Longitude	
	88 MC DON			Township 25	A S Range	38 E E .	₩.
City LA GRA		State OR	Zip 97850	Section / 2	SE 1/4,	SW 1/4	
(2) TYPE OF W				Tax Lot 230/ L		Subdivision	
New Well De	cepening Alteration	n (repair/recondition) Abandonment	Street Address of Well	(or nearest address)	4088 McDON/	LANE
` '	Rotary Mud C	able Auger		(10) STATIC WATER	LEVEL:		
Other		EVERSE		Flowing ft. belo		Date 70	0-98
(4) PROPOSED				Artesian pressure			
Domestic	Community Ir	ndustrial 🗖 Irrig	gation	(11) WATER BEARI			
Thermal	Injection L	ivestock Oth	er				
• ,	E CONSTRUCTION		2	Depth at which water was	first found 133		
Special Construction	n approval 🗌 Yes 🔀	No Depth of Compl	leted Well 3138 ft.				
	Yes No Type		unt	From	To	Estimated Flow Rate	
HOLE		SEAL		134	171	100	22
. #	To Material		Sacks or pounds	325	334		
1.	150 coment	0 /97	2255K	4.34	439		\perp
19" 4301	872 Cament	17791873	1305K	242	377		+
		 		148	117		
Hom mas seel at a co	di Markad T	1		(12) WELL LOG:			
How was seal place	d: Method 🔀	A DB 🛛	C DD DE	Ground	Elevation		
Backfill placed from	n ft. to	ft. Material	54405	Materia	1	From To	SWL
•	197 ft to/77		24	TOPSOIL		7011 10	SWL
(6) CASING/LI		Jan Size Org	40	Andle class	TAN	1 108	22
Diameter	From To Gau	ge Steel Plastic	Welded Threaded	dry from 5		108 112	200
Casing:/8	18 18/13		Ø o		OFT	112 137	
1611	8 43037			clay grun of.	sound	137 141	
14"	430 18733	3 d d		clay gray		141 142	
				chang group of In	od course /30/4	142 147	
	1772 24721:2	50 Z		clay gray + An	d some consent "	147 153	
85/8	2417 3138 1	50 0 0		Sindstone + An	of course Vy	153 154	
Final location of sho				grand V4-1'	tend	154 171	Water
	IONS/SCREENS:			elog group	SOFT	171 182	
Perforations	Method FA	ctory		day Brown		182 188	
Screens	Type	Mater Tele/pipe	ial STEEL		me grown + day	188 202	
From To	, size Number D	Hameter , size	Casing Liner		brek	202 205	
	9.50 7900/0			Charlet Car	sad SOFT sond	905 209	
215784/2	3/1 640	1 50 1950		character 4	And course	204 27-7	
05870687	3/16/1/-00	8 5 0 T		Chart AN	SAFT	910 999	
0/97 0 7/7	3/1/1/0/5	18/8 0 5/		Class & And -	green	227 27	\vdash
201112131	97401240	1000		Man TAN-SO	ET	927 941	
(8) WELL TEST	S: Minimum testi	ing time is 1 hour		Date started (- 29-	19 98° Comple	oted 3-6-2000	2
.,				(unbonded) Water Well			
Pump	Bailer	ZAir PUNP	Flowing Artesian	,	performed on the constr		undonment
Yield gal/min	Drawdowa	Drill stem at	Time	of this well is in complian Materials used and inform	ce with Oregon water su	pply well construction s	andards.
1700	36 10	0.250-180	7 With	and belief.	ment tohousen annag ato	a wo w use best of my ki	IN MICHEC
						WWC Number	
SP4350.	RIESIAN			Signed		Date	
Temperature of water	, , , , , , , , , , , , , , , , , , , ,	pth Artesian Flow Fo	und 19/6	(bonded) Water Well Co	nstructor Certification:		
-	is done? /VO - Yes				for the construction, alter		
	in water not suitable f		Too little	performed on this well du performed during this tim	ring the construction data e is in compliance with (es reported above. All w Oregon water supply wel	vork 1
	y Odor Col			construction standards. T		est of my knowledge and	d belief.
Depth of strata:	MTESIAN 19	POUNDS		Signed (1) or Ale	\mathcal{A}	WWC Number	
				I Signed / / / / / Las	11110	Date 2-	90-900

t.

Unio

RECEIVED

#2019

50684

APR 13 2000

STATE OF OREGON

STATE (DF OREGON . T					
WATER SU	JPPLY WELL REPORT	WATER RESOURCE	ES DEPT	WELL I.D. # L_4	10696	
	for completing this report are on the last page of th	is formSALEM, ORE	GON	START CARD#	//7/7/	
OWNER:	Well Number	(9) LOC	ATION OF W	ELL by legal desc	ription:	
me		County		Latitude	Longitude	

(1) OWNER:		W	ell Numb	er	(9) LOCATION OF V	VELL by legal descr	iption:	
Name					County			
Address							E or W.	WM.
City		State		Zip	Section	1/4	1/4	
(2) TYPE OF					Tax LotL		Subdivision	
New Well (3) DRILL MI	Deepening Alters	stion (repair/r	econdition	n) Abandonment	Street Address of Well	(or nearest address)		
, ,	Rotary Mud	Coble	Auger		(10) STATIC WATER	I EVEL.		-
Other		Cable				w land surface.	Data	
(4) PROPOSE	D USE:		-	1000	Artesian pressure	lb. per square	Date	
Domestic		Industrial		igation	(11) WATER BEARI		t uncit. Date	
Thermal		Livestock		•	(11) WHI DE DENIA	NO DOMEDI.		
	LE CONSTRUC'				Depth at which water was	first found		
Special Construc	tion approval Yes	□No Depti	n of Comp	pieted Well ft.		Military and Control of the Control		
	Yes No Typ				From	То	Estimated Flow Rate	SWL
HOLE		SEAL	19		797	800		
Diameter From	2472 Materia	d From	To	Sacks or pounds	862	867		
1274187	24172				1001	1003		
978 24	12 3138				/056	1058		
					1062	1067		
					(12) WELL LOG:			
How was seal pla	aced: Method	_A _	В	C D DE		Elevation		
☐ Other								
	rom ft. to_		Material		Materia			WL
Gravel placed fro		ft.	Size of g	gravel	chang green + gr		241 254	
(6) CASING/					day gray S		234 265	
Diamete	r From To G	Sauge Steel	Plastic	Welded Threaded	clay green Si		265 326	
Casing:	+				1 1 1	n senedry	320 325	-
		12		<u> </u>		ng-green	325 334 6	aler
		10			. 71	des gray	334 406	
Liner.					clas aron	and had	410 436	
Luci	1		H	H H		Sand contre	436439 W	27.
Final location of	shoe(s) A/A				0	SOFT	439 443	aur
	TIONS/SCREEN	S:			doustone + d			
Perforation	•					SOFT	481 487	
Screens		3 B	Mate	rial STEEL		rum SOFT	487 598	
	Slot	Diameter	Tele/pipe	Casing Liner	class Around	SOFT	528 542	
98/7313	8 3/4 5/20	83/8	1830		don't green	FINE	542 544 a	utez
					clay grouge		X44 576	
					day green &	andly SOFT	376615	
					Rock		615 616	
					chay gray + 9	ran SOFT	416 712	
-					day Brown +	sindly 50FT	7/2 725	
(8) WELL TE	STS: Minimum te	esting time	is 1 hour	,	Date started	Compl		
				Flowing	(unbonded) Water Well			
Pump	Bailer	Air		Artesian	of this well is in complian	ce with Oregon water su	ruction, alteration, or abando apply well construction stand	lards
Yield gal/min	Drawdown	Drill ster	n at	Time	Materials used and inform	ation reported above are	true to the best of my know	ledge
	 			1 hr.	and belief.		WWC Number	
:	+				Signed		Date	
Temperature of v	vater	Depth Artesia	n Flow F	ound	(bonded) Water Well Co	nstructor Certification		
Was a water anal		es By whom					: ration, or abandonment worl	k
	entain water not suitab			☐ Too little	performed on this well du	ring the construction date	es reported above. All work	
	iddy Odor O		Other		performed during this time construction standards. T		Oregon water supply well est of my knowledge and be	lief.
Depth of strata:	, , , , , , ,		_		1 1//		WWC Number 13 99	
•					Signed Wally	3 some	Date	

#3 419

4110 .50684

APR 13 2000

STATE OF OREGON WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPTWELLI.D. # L. 40696
SALEM, OREGON START CARD # 1/4/9/ Instructions for completing this report are on the last page of this form.

(1) OWNER:		7	Well Nur	nber		(9) LOCATION OF	WELL by legal desc	cription:		
Name	•						Latitude		ngitude	
Address						Township	N or S Range		E or V	V. WM.
City		State		Zip		Section	1/4		1/4	
(2) TYPE OF						Tax Lot L		Sı		
(3) DRILL MI	Deepening Alter	ration (repair/	reconditi	ion) 🗌 Ab	andonment	Street Address of Well	(or nearest address)			
Rotary Air	Rotary Mud	Cable	Aug	er		(10) STATIC WATE	R LEVEL:			
Other		_					ow land surface.		Teta .	
(4) PROPOSE	D USE:					Artesian pressure	lb. per squa		Date	
Domestic	Community [Industrial		rrigation		(11) WATER BEARI		ECHRII. I	ALC	
Thermal		Livestock		Other						
(5) BORE HO	LE CONSTRUC	TION:				Depth at which water was	first found			
Special Construc	tion approval Yes	No Dept	h of Con	npleted We	ell ft.	The state of the s				
Explosives used	Yes No Ty	pe	Aı	nount		From	То	Estimate	Flore Data	CIII
HOLE	,	SEAL				1091	1093	Estimated	Flow Rate	SWL
Diameter From	To Mater		То	Sacks or	nounde	1222	1226			
			1 1	Jacas VI	Postara	1477	1479			-
						1540	1542			-
						1620	[623			+-+
							1663			
How was seal pla	ced: Method	_^ _	В]c 🗆	D DE	(12) WELL LOG: Ground	Elevation			
Other										
Backfill placed fr		ft.	Materi			Materia		From	То	SWL
Gravel placed fro		ft.	Size of	gravel		they Brown 's		725	729	
(6) CASING/I						clay TAN SOF		729	731	
Diameter	From To	Gauge Steel	Plastic	Welded	Threaded	chang tom + 9		73/	7.32	
Casing:	+					day grun 3		732	739	
						grovel of clay	gren	739	740	
						clay Brown	SOFT	740	768	
	+					and + grown	+ dry green	768	7741	Water
Liner:						clay gian s		774	797	
						grove 18-	-1"	797	800	utitor
Final location of						day Brown	SOFT	800	827	
(7) PERFORA	TIONS/SCREEN	S:				clas TAN S	OFT	827	832	
Perforation	s Method					class grog +	green 50FT	8.79	849	
Screens	Туре			erial		day green 1		849	87.9	
From , To	Slot size Number	Diameter	Tele/pip size	Casing	Liner	sand course		1862	8670	hte
						class great q		865	299	200
				$\overline{}$	$\bar{\Box}$	clay tont.			900	
				$\overline{}$		clea ared to	undetine	900	9/0	
				$\overline{}$		soulle clad	- green	910	912	
						clay tray of 1	rome Hellin	2992	41.3	
						no O+ de are	- + arm day	9/9	97/	
8) WELL TES	TS: Minimum to	esting time i	s 1 hou	r		Date started	Comp	leted		
						(unbonded) Water Well (Comp			
Pump	Bailer	Air			owing tesian	I certify that the work I				
Yield gal/min	Drawdows	Drill sten	n at		Time	of this well is in compliance	e with Oregon water s	upply well con	etruction eter	ndarda
				1	1 hr.	Materials used and informa and belief.	ation reported above an	e true to the be	st of my kno	wledge
				_	114.	ours oches.		Mana		
			-	+		Simed		WWC Num		
Temperature of wa	ater 1	Depth Artesia	n Flow E	ound		Signed Water Well Con			ate	
Was a water analy	COLUMN TO THE PARTY OF THE PART			ound		(bonded) Water Well Con				
-	tain water not suitab	es By whom			l'aut-	I accept responsibility for performed on this well duri	or the construction, alte	eration, or abar	idonment wo	ork -
				Too 1	intle	performed during this time	is in compliance with	Oregon water	llaw vionus	
	ldy Odor O	_olored	ouner_			construction standards. The	s report is true to the b	est of my kno	wledge and b	belief.
Depth of strata:						1) (1)	d cl	WWC Num	ber	
			_			Signed Walke	Jone		Date	

1.

anio. 50684

RECEIVED

#4019

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765)

APR 1 3 2000

WELL I.D. # L. 40 69 69 Co START CARD # 114141

Instructions for completing this report are on the last page 1	ERDESO	OURCES DEPT
(1) OWNER: Well Number	SALEM, (OFFICIALION OF WELL by legal description:
		CountyLatitudeLongitude
Name		CountyLatitudeLongitude TownshipN or S Range E or W. WM.
Address City , State Zip		
		Section1/41/4 Tax Lot Lot Block Subdivision
(2) TYPE OF WORK		
New Well Deepening Alteration (repair/recondition) About 10 Provided the Control of the Control	andonment	Street Address of Well (or nearest address)
3) DRILL METHOD:		(10) STATIC WATER LEVEL:
Rotary Air Rotary Mud Cable Auger		
Other		ft. below land surface. Date
4) PROPOSED USE:		Artesian pressure lb. per square inch Date [11] WATER BEARING ZONES:
Domestic Community Industrial Irrigation		(II) WATER BEARING ZONES:
Thermal Injection Livestock Other		B
(5) BORE HOLE CONSTRUCTION:		Depth at which water was first found
Special Construction approval Yes No Depth of Completed We		
Explosives used Yes No Type Amount		From To Estimated Flow Rate SWL
HOLE SEAL		1915 1918 Flowing 350gpm 7
Diameter From To Material From To Sacks or	pounds	2412 2417 125 gpm 8
		2722 2730 " 5
		72 839 2845 350 gpm a
		(12) WELL LOG:
How was seal placed: Method A B C	D DE	Ground Elevation
Other		
Backfill placed from ft. to ft. Material		Material From To SWL
Gravel placed from ft. to ft. Size of gravel		chog green SOFT 971 973
(6) CASING/LINER:		grovel + sand + dag - green 973 974
Diameter From To Gauge Steel Plastic Welded	Threaded	chang green 974 983
Casing:		Sand + clay green 983 985
		dry green 50FT 983 1001
		sand course 1001 1003 Water
		day gran SOFT 1003/1006
Liner:		Sout course 1006 1008
		day green 1008 1029
Final location of shoe(s)		day green + grand 3/2-1/2 1022 1024
(7) PERFORATIONS/SCREENS:		day green SoFT 1024 1039
Perforations Method		soul course 1032 10.34
Screens Type Material		deg green SOFT 10341048
Slot Tele/pipe	ng Liner	close + land Fine + green 10481056
From To size Number Diameter size Casia	ag Laser	alove 18-34 1956 1058 Water
		class green 50FT+WOOK 1038 1062
		grand 1/2-1/2 1069 Water
		dog green 1067 1079
		1 1079 1081
		iles area - gran 108/109/
(8) WELL TESTS: Minimum testing time is 1 hour		Date started Completed
(a) A PIT I TO 10. Willimm result time is I non.		(unbonded) Water Well Constructor Certification:
	lowing	I certify that the work I performed on the construction, alteration, or abandonment
	rtesian	of this well is in compliance with Oregon water supply well construction standards.
Yield gal/min Drawdown Drill stem at	Time	Materials used and information reported above are true to the best of my knowledge
	1 hr.	and belief.
		WWC Number
		Signed Date
Temperature of water Depth Artesian Flow Found		(bonded) Water Well Constructor Certification:
Was a water analysis done? Yes By whom		I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work
	o little	performed during this time is in compliance with Oregon water supply well
Salty Muddy Odor Colored Other		construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:		Signed (Valle James WWC Number
		Signed (Califfe Brus) Date

ŝ,

UNIO 50684

RECEIVED

STATE OF OREGON WATER SUPPLY WELL REPORT
(as required by ORS 537.765) APR 13 2000

WELL I.D. # L 40 (49(a) START CARD # 1/4/4/

(as required by Instructions fo	r completing this re	port are on the la	ut pWATER RESOU	ACES DEPT. START CARD # // 4/4/
1) OWNER:			SALEM, O	MEGON (9) LOCATION OF WELL by legal description:
ame	•			County Latitude Longitude
ddress				Township N or S Range E or W. WM.
City		State	Zip	Section 1/4 1/4
2) TYPE OF V	VORK			Section 1/4 1/4 Tax Lot Lot Block Subdivision
New Well	Deepening Altera	tion (repair/recon	dition) Abandonment	Street Address of Well (or nearest address)
B) DRILL ME				
	Rotary Mud	Cable A	uger	(10) STATIC WATER LEVEL:
Other				ft. below land surface. Date
) PROPOSEI				Artesian pressure 1b. per square inch. Date
_	Community		Irrigation	(11) WATER BEARING ZONES:
	Injection [Other	Depth at which water was first found
			Completed Wellft.	
_			Amount	From To Estimated Flow Rate SW
HOLE		SEAL		And Andrews Control of the
Nameter From	To Materia		Sacks or pounds	
		·		
				(12) WELL LOG:
low was seal pla	ced: Method	□A □B	\Box C \Box D \Box E	Ground Elevation
Other				
	om ft. to_		terial	Material From To SWL Sand course 1091 1093 water
ravel placed from		ft. Siz	e of gravel	
6) CASING/L			and Walded The Control of the Contro	
Diameter	From To G	1	stic Welded Threaded	Long Brown Hord 1/8/196
Casing:	++-			clan grun 1/3/ 1/46
*****	+ + +			Joh aron 1800 1/46/149
-	+			day prom + digetive ind 18491152
iner:				clos eight grun Hord 1152 1/98
	1-1-1			day ton SOFT4 and course south 1/98/1222
Final location of	shoe(s)			And course green 1222 1296 Water
	TIONS/SCREEN	S:		class crad SOFT VARG 1229
Perforation				deptin SOFT 1829 1245
Screens	Туре		Material	My Stone green 12451254
From , To	Slot , size , Number		e/pipe size Casing Liner	day group + green + doglare 1254/258
				clog Brown's Sur SOFT + Hard 1258 1261
	-		0 0	da gram SOFT 126/1273
				dry gray 50 FT /273/292
	+	-		sand course year 1292/273
				1993/995
0) 11/17 7 75-1	70C. N	-4411	L	1243 1248 Hora 1243 1298
b) WELLTES	STS: Minimum to	esting time is 1	nour	Date started Completed
	□ Beller	□ A:-	Flowing	(unbonded) Water Well Constructor Certification:
Pump	Bailer	☐ Air	Artesian	I certify that the work I performed on the construction, alteration, or abandonme of this well is in compliance with Oregon water supply well construction standards.
Yield gal/min	Drawdown	Drili stem at	Time 1 hr.	Materials used and information reported above are true to the best of my knowledge and belief.
			1 nr.	and belief. WWC Number
;				Signed Date
emperature of w	ater	Depth Artesian Fl	ow Found	(bonded) Water Well Constructor Certification:
Was a water analy		es By whom		I accept responsibility for the construction, alteration, or abandonment work
	ntain water not suitab		e? Too little	performed on this well during the construction dates reported above. All work
•	ddy Odor			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.
Depth of strata:	, u u			WWC Number
-				Signed Wall Date

50684

Unio RECEIVED

#6019

APR 13 2000

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765)

START CARD # 114141

(as required by Instructions fo	ORS 537.765) r completing this re	port are on ti	ne las WA	TER RESOUR	CES DEPT.	START CARD # _	114141	
(1) OWNER:				SALEM, ORE	(9) LOCATION OF V	VELL by legal descr	ription:	,
Name						Latitude	-	
Address				***************************************			E or W.	WM.
City		State		Zip		1/4		*******
(2) TYPE OF V	VORK				Tax Lot L	nt Block	Subdivision	
• •	Deepening Altera	tion (renair/re	condition)	Abandonment	Street Address of Well	(or nearest address)		
(3) DRILL ME	- 100	non (reput/re	- COLIGITATION (Succession of West	(0. 101010 111100)		
• •	Rotary Mud	Cable [Auger		(10) STATIC WATER	LEVEL:		
Other		Cable [ft. belo		Date	
(4) PROPOSEI	USE:				Artesian pressure	lb. per squar		
	Community	Industrial	☐ Irrig	ation	(11) WATER BEARI		- Date	
		Livestock	Othe		(,			
Total Control of the	LE CONSTRUCT				Depth at which water was	first found		
, ,	ion approval [Yes		of Comple	eted Well ft	Deput at willest water was	11131 104110		
	Yes No Typ				From	To	Estimated Flow Rate	SWL
HOLE	☐ res ☐ No 1yp	SEAL			Tions	10	Established Flow Rate	1 SWL
Diameter From	To Materia		To S	Sacks or pounds				+
Planteter From	Malera	.	. 1	new or posses				+
		-						+
		-	_					+
		-+-+	-+					
How was seel slav	ced: Method		в По	: □D □E	(12) WELL LOG:	T1		
	bea: Method	U^ U	, L		Ground	Elevation		
Other	om ft. to	A	Material		Materia	1	From To	SWL
			-		clos gray		1998 1323	3 WL
Gravel placed from	-	11.	Size of gr	avei	soul course			
(6) CASING/L					day green &		13231385	
Diameter	Frem To G	auge Steel	Plastic	Welded Threaded		day gram	1343/345	
Casing:	++		\sqcup		The state of the s		1343/343	
	+				day grun		1343/373	
	++-				sand course		1323/3/8	
	+				clog grunt o		13781398	
Liner:					clay gray 50	4 -	13991393	
					clay Brown	SAFT	13931403	
Final location of s					The same of the sa	and of clay Re		
(7) PERFORA	TIONS/SCREEN	S:			day green		14051416	
Perforation:	Method				clay green +		144161421	
Screens.	Туре		Materi	al	and course of	grove small	14211423	
From To	Slot size Number	Diameter ,	Tele/pipe	Casing Liner	clay grun so	PFT	1423 1439	
					clay smally	+SOFT	14391441	
					And course	t clap grun	1441 1444	
					chy grun.	+ Brown SOF	114441447	
					clay gray +	green pary SOF	114471451	
					clog sandly	Red SOFT	1451 1453	
					clos groy gr	un SOFT	14531455	
(8) WELL TES	TS: Minimum te	sting time i	s 1 hour		Date started	Comp	eleted	
		-		Planing	(unbonded) Water Well			
Pump	Bailer	Air		Flowing Artesian			truction, alteration, or aband	donment
Yield gal/min	Drawdown	Drill sten	at	Time	of this well is in complian	ce with Oregon water s	upply well construction star	dards.
				1 hr.	and belief.	ranon reported above at	e true to the best of my kno	wiedge
							WWC Number	
:					Signed		Date	
Temperature of w	ater	Depth Artesia	Flow For	ınd	(bonded) Water Well Co	nstructor Certification		
Was a water analy		es By whom					eration, or abandonment wo	rk
•	tain water not suitab			Too little	performed on this well du	ring the construction da	tes reported above. All wor	
	ddy Odor O			_ 100 iiiii	performed during this tim	e is in compliance with	Oregon water supply well best of my knowledge and b	elief
	,	Colored _	Juliei		Collect action stationer ds. 1		WWC Number	CHCI.
Depth of strata:					Signed Wall	Va Leno		
					Signed / John	a dend	Date	

#70019

5.0684 STATE OF OREGON

APR 13 2000

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(as required by ORS 537.765)

WATER RESOURCES DEPT.

Instructions for completing this report are on the last page a price of DESCON

WELL I.D. # L. 40696 START CARD # / 1 4 / 4 /

(1) OWN	VER:				Well Nu	mber		(9) LOCATION OF	WELL by legal des	cription:	
Name								County	Latitude	Longitude	
Address								Township	N or S Range	E or W.	WM.
City				State		Zip		Section	1/4	1/4	
(2) TYP										Subdivision	
				ation (repair	/recondit	tion) Aband	lonment	Street Address of We	ell (or nearest address)		
(3) DRII				_	_			(A) CM (A) CM			
	Air	Rota	ry Mud	Cable	Aug	ger		(10) STATIC WATE			
Other									low land surface.	Date	
(4) PRO			_		_	• • •		Artesian pressure	lb. per squ	are inch. Date	
Domes			munity [_		Irrigation		(11) WATER BEAR	ING ZUNES:		
Therm		Injec	NSTRUC	Livestock		Other		Depth at which water wa	a first found		
					th of Co	mpleted Well	6		is that lound		
						mount		From	То	Estimated Flow Rate	SWL
	IOLE	103		SEAL	′			11011	10	Listing Tiow Rate	JUL
Diameter		Te	Materi		To	Sacks or po	made				+
Diminion		"			"						+
					_						
								(12) WELL LOG:			
How was	seal plac	ced:	Method	_A []B [C D	□E		d Elevation		
☐ Othe	er										
Backfill p	laced fro	om	ft. to_		Mate	rial		Mater		From To	SWL
Gravel pla			ft. to_	ft.	Size	of gravel		chy green			
(6) CAS	ING/L	INER	•					clay grums	clayetome 14	14611463	
r	Hameter	Fro	m To	Gauge Steel	Plast	k Welded	Threaded	chy grun	+ drait 206	7 1463 1476	
Casing:_		-	\rightarrow						treen & south con		1+
		+-	\rightarrow					Sand course			valer
		+	\rightarrow	-				day green		14791496	
		+	+						soft 4 clayst		
Liner: _		+	-			_		class gray	SOFT	14981314	
Fire Hann	4:6	h (a)			Ш				FIt and cour		
Final loca			SCREEN	15.				clas grun		1318 1340	-
	foration		Method					Soud con		134013496	u.t.
Sar			Type			laterial		day gree		1542 1547	Valer
_		Slo	t	·	Tele/p	ipe		clas Time	SOFT	15471568	
From	To	size	Number	Diameter	sizo	e Casing	Liner	clay green 50	FT & Sand com		
								class green :		1567 1579	
						$\overline{}$	$\overline{\Box}$		Shale grom D.	NN5791589	
								clay grain S	OFT and cour	115821591	
				75		□		Sand course	green	1591 1394	
								clay green	SOFT	13991609	
(8) WEI	L TES	STS: N	⁄linimum t	esting tim	e is 1 ho	our		Date started	Con	npleted	
						Flow	ving	(unbonded) Water We	I Constructor Certific	ation:	
Pur	mp		Bailer	Air 🗌		Arte				nstruction, alteration, or aban	
Yield	zal/min	Di	rawdowa	Drill s	em at		Гігне	Materials used and info		supply well construction star are true to the best of my kno	
		-					1 hr.	and belief.			
		-								WWC Number	
		L						Signed		Date	
Temperat				Depth Artes		v Found		(bonded) Water Well (
Was a wa				Yes By who						lteration, or abandonment wo dates reported above. All wo	
			ter not suital			_	Tie	performed during this ti	me is in compliance wit	th Oregon water supply well	
	_	ady [Odor [Colored	Uthe	r		construction standards.	I has report is true to th	e best of my knowledge and b	bellef.
Depth of	ou ata:							Signed ()	lesso Ima	WWC Number Date	

50684

APR 1 3 2000

#80c/9

STATE OF OREGON

WELL I.D. # L. 40496 START CARD # 114141

WATER SUPPLY WELL REPORT (as required by ORS 537.765) Instructions for completing this report are on the last part of	SOURCES DEPT. WELL I.D. # L. 40 49 4 M. OREGON START CARD # 1 4 1 4 1
(1) OWNER: Well Number	
Name	County Latitude Longitude
Address	Township N or S Range E or W. WM.
City State Zig	Section 1/4 1/4
(2) TYPE OF WORK	Tax Lot Block Subdivision
New Well Deepening Alteration (repair/recondition) At	pandonment Street Address of Well (or nearest address)
(3) DRILL METHOD:	
Rotary Air Rotary Mud Cable Auger	(10) STATIC WATER LEVEL:
Other	ft. below land surface. Date
(4) PROPOSED USE:	Artesian pressurelb. per square inch. Date
Domestic Community Industrial Irrigation	(11) WATER BEARING ZONES:
Thermal Injection Livestock Other	
(5) BORE HOLE CONSTRUCTION:	Depth at which water was first found
Special Construction approval Yes No Depth of Completed W	
Explosives used Yes No Type Amount	From To Estimated Flow Rate SWL
HOLE SEAL	<u> </u>
Diameter From To Material From To Sacks o	rpounds
Warman and about Mathed CA CB CC C	(12) WELL LOG:
	D E Ground Elevation
Backfill placed from ft. to ft. Material	Note in the second seco
	clay gran + and course 1609/620
Gravel placed from ft. to ft. Size of gravel 6 CASING/LINER:	
	1 1100
Casing:	Sond course green + day green 1/627 1/629
	Indicaris + grand 12-38 1629 1632
	Log + And green 1632/636
Liner:	
Final Landing of the (6)	□ lay groy + Block 50FT 1/6 47/1649
Final location of shoe(s) (7) PERFORATIONS/SCREENS:	Jay green 30FT 1449/633
•	clay gray SOFT 1/6331/687
Perforations Method	clay green 1637/660 clay & Shale - green & gray 1660/661
Stoteens Type Material Tele/pipe	164 + Stee - Frank gang /660/66/
From To size Number Diameter size Casis	- 1 / 44
	1 1 April 92cm Part + grant 2/4 /709 1712
	74 // // // // // // // // // // // // //
	1 clog grun 30FT + grand 3/4/7/3/7/6
	Clay green SOFT /7/6/738
	a day grum nork 1738/740
(Q) THE LITECTS. Market And the state of the	Same course 17401/43
(8) WELL TESTS: Minimum testing time is 1 hour	Date started Completed
	lowing (unbonded) Water Well Constructor Certification:
	rtesian I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards.
Yield gal/min Drawdown Drill stem at	Materials used and information reported above are true to the best of my knowledge
	1 hr. and belief.
	WWC Number
	Signed Date
Temperature of water Depth Artesian Flow Found	(bonded) Water Well Constructor Certification:
Was a water analysis done? Yes By whom	I accept responsibility for the construction, 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
Salty Muddy Odor Colored Other	construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:	WWC Number
	Signed Water Jowe Date

unio 50684

RECEIVED

#90019

STATE OF OREGON WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are o APR 13 2000

WELL I.D. # L. 40696 START CARD # 1/4/9/

Instructions for	completing this re	port are on th	e last na	MATERIALSO	ACES DEPT.	START CARD #		
	Completely tales to			SALEM, U	HEGON (9) LOCATION OF V	VFI I by legal deem	rintion:	,
(1) OWNER:		We	il Number				Longitude	
Name					County		E or W.	WM
Address		S4-4-		7:-		1/4_		** 145-
City	OPV	State		Zip	Tax Lot L	otBlock	Subdivision	
(2) TYPE OF W	OKK Deepening Alter	etion (reneirhe	condition)	Abandonment			Subarvision	
(3) DRILL MET		uton (repair/re	CONGIGOR)	Abaticotricit	Succe Address of Woll	(Or includes about cas)		
` '	Rotary Mud	TCoble [Auger		(10) STATIC WATER	R LEVEL:		
Other] Cable [1 1	ow land surface.	Date	
(4) PROPOSED	TISE:				Artesian pressure	lb. per squa		
	Community [Industrial	☐ Irrig	ation	(11) WATER BEARI			
	_	Livestock	Oth		` '			
	LE CONSTRUC				Depth at which water was	first found	3	
			of Compl	eted Wellft.				
	Yes No Ty				From	То	Estimated Flow Rate	SWL
HOLE		SEAL						
	To Materi	ai From	To	Sacks or pounds				
					(12) WELL LOG:			
How was seal place	ed: Method	_A _	в 🗆 С	D DE	' '	Elevation		
Other								
Backfill placed fro	om ft. to_	ft.	Material		Materia			SWL
Gravel placed from	n ft. to_	ft.	Size of g	ravel	eng grag	SOFT	1743 1744	
(6) CASING/L	INER:				dry Brown		17441751	
Diameter	From To	Gauge Steel	Plastic	Welded Threaded	clog of shall	Block	1731 1746	
Casing:					clip Brown	SOFT	17441771	
Carrie Carrie					clos grun	SOFT	17711776	
			$\overline{\Box}$		day Brown	7 50 FT	17761779	
			$\overline{\Box}$		day grun	SOFT	17791781	
Liner:			$\overline{\Box}$		chy Brown	a SOFT	17811784	
			$\overline{\Box}$		class + shale	Brune's gre	m 1784	
Final location of s	hoe(s)		_		SOFTE	HArd	1786	
	TIONS/SCREEN	IS:			clay Brow	71	17841787	
Perforations					day Brown	14 green SOF	11787	
Screens	Туре		Mater	rial		* Hore	2 1788	
	Slot	Diameter	Tele/pipe	Casing Liner	clay green	* SOFT	17881791	
From To	size Number	Diameter	3124		clay grass	steen SOF	1791 1793	
					clay Bros	un SOFT	17931796	
					clay gray	SOFT	17961798	
					day Brown	n SOFT	17981805	
					clay grow	SOFTHUE	14/805/1808	
							1808	
(8) WELL TES	TS: Minimum	esting time	is 1 hour		Date started	Com	pleted	
,				Flowing	(unbonded) Water Well	Constructor Certifica	ition:	
Pump	Bailer	Air		Artesian			struction, alteration, or aban	
Yield gal/min	Drawdown	Drill ste	m at	Time			supply well construction star are true to the best of my kno	
				1 hr.	and belief.	mmon reforms accove s	and the desired in the kind	, madege
							WWC Number	
7					Signed		Date	
Temperature of w	ater	Depth Artesia	n Flow Fo	ound	(bonded) Water Well C	onstructor Certification	on:	
Was a water analy		Yes By whom			I accept responsibility	for the construction, a	Iteration, or abandonment we	ork
	ntain water not suits			Too little	performed on this well d	uring the construction of	lates reported above. All wo	rk
•	ddy Odor [construction standards.	ne is in compnance with This report is true to the	h Oregon water supply well best of my knowledge and	belief.
Depth of strata:	ady					•		
Deput of Strait.					Signed Walk	a some	Date	***************************************

#10 x 19

APR 13 2000

STATE OF OREGON

WATER SU	PPLY WELL REPORT	1 3 2000	WELL I.D. # L START CARD # Z	10696	
	or completing this report are on the last page or any of				
1) OWNER:	. Well Number	(9) LOCATION OF		Longitude	
ame		County		E or W. W!	M.
ity	, State Zip		1/4_		
TYPE OF		Tax Lot	Lot Block	Subdivision	
	Deepening Alteration (repair/recondition) Abandonm				
) DRILL ME					
Rotary Air	Rotary Mud Cable Auger	(10) STATIC WATE	R LEVEL: low land surface.	Date	
4) PROPOSE	D USE:	Artesian pressure	lb. per squa		
	Community Industrial Irrigation	(11) WATER BEAR	ING ZONES:		
Thermal	Injection Livestock Other				
	DLE CONSTRUCTION: tion approval Yes No Depth of Completed Well		as first found		
-	Yes No Type Amount		То	Estimated Flow Rate S	SWL
HOLE	SEAL				
Nameter From	To Material From To Sacks or pounds				
		_			
How was seal pla	aced: Method A B C D	(12) WELL LOG: Grou	nd Elevation		
Other			RI Elevation		
Backfill placed fi		Mater	the same of the sa		VL
Gravel placed fro	om ft. to ft. Size of gravel	clay grag		1808	
6) CASING/	LINER:		SOFT & Hard	1810	
Diamete	r From To Gauge Steel Plastic Welded Thre	adod clay gener	n SOFT	1810 1811	
Casing:		clay groy		1811 1815	
		day gray	green 50F1		
				18171820	
				1885 1833	
iner:			OFT to chegate		
			Block	1829	
Final location of	shoe(s)		1 SOFT- Hose		
7) PERFORA	ATIONS/SCREENS:		Brown SOFT		
Perforation	ns Method		Agrany SOFT		
Screens		clay green		18821867	
From , To	Slot Tele/pipe size Number Diameter size Casing	Liner Boat Bloc	K + dy Blue	1867	
			grag	1876	
		ander Ble	CK SOFT &	1876	
			clay Bloc	K 1879	
		and clay of	ream SOFT, 6	1877	
			Back Block	1889	
		- day Red SOFT	ander Blog	K18891892	
8) WELL TE	ESTS: Minimum testing time is 1 hour	Date started		pleted	
	Flowing	,	il Constructor Certifica		
☐ Pump	Bailer Air Artesian			struction, alteration, or abandor supply well construction standa	
Yield gal/min		Materials used and info		re true to the best of my knowle	
	1 hr.	and belief.		*******	
				WWC Number	
:		Signed		Date	
Temperature of	water Depth Artesian Flow Found		Constructor Certification		
Was a water ana		I accept responsibili	ty for the construction, al	teration, or abandonment work ates reported above. All work	
Did any strata co	ontain water not suitable for intended use?	performed during this t	ime is in compliance with	h Oregon water supply well	
Salty M	fuddy Odor Colored Other	construction standards.	This report is true to the	best of my knowledge and beli	ef.

4n10

RECEIVED

#1/019

STATE OF OREGON APR 1 3 2000 WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL I.D. # L. 40696 START CARD # 1/4/4/

Instructions	for completing this	report are on the	last pagWATER RES	OURCES DEPT.	START CARD #	1/4/4/	
(1) OWNER:			Number	(9) LOCATION OF	WELL by lead dec		
Name				County	Tatitude	Cription:	
Address				Township	N or S Pance	LongitudeE or V	W WD 6
City		State	Zip	Section	1/ 0/ 0/ 0/ Range	E or v	v. WM.
(2) TYPE OF				Tax Lot 1	ot Block	Subdivision_	
New Well	Deepening Alt	eration (repair/reco	ndition) Abandonment	Street Address of Wei	l (or nearest address)	Subdivision_	
(3) DRILL M							
	Rotary Mud	Cable	Auger	(10) STATIC WATE	R LEVEL:		
Other (4) PROPOSI	ID VICE				ow land surface.	Date	
Domestic				Artesian pressure	lb. per squa	are inch. Date	
Thermal	Community Injection	=.	Irrigation	(11) WATER BEAR	NG ZONES:		
	OLE CONSTRUC	TION.	Other	B. 4			
			Completed Wellft	Depth at which water was	first found		
Explosives used	Yes No T	voe	Amount	From	Т.		
HOLE		SEAL	- Tullouit	From	То	Estimated Flow Rate	SWL
Diameter From	To Mater	rial From 7	o Sacks or pounds				
							+
							+-
		-					
77				(12) WELL LOG:			
	aced: Method	□A □B	\Box C \Box D \Box E	· · · · · · · · · · · · · · · · · · ·	Elevation		
Other							
Gravel placed fro	rom ft. to_		aterial	Materia		From To	SWL
(6) CASING/	-	ft. Siz	ze of gravel	Chy Brown +	conter Block	1892 1894	
Diameter		Gauge Steel Pi	note Walded Minner	day Block +	11 4 11	1894 1897	
Casing:	1 1 1		nstic Welded Threaded	Chy Blook 9	hay green &	1897	
Castilg				Brum 30 1	T condriste	19/2	
				Chan appear Sh	ET DISTE	T1912 1914	
				Rout Plant	dout the box	K 1914 1918 A	Jane San
Liner:				Brutt Block + C	lue abou SAF	7 19 18 1900	-lowing
				chy gray 30FT	FBAUT BLOW	+ 199A 1991	
Final location of		/		chief Block SO	FT	19961929	
	TIONS/SCREEN			class Block a	uder Block	19201931	
Perforation				Breet Block	Le. + Stale gro	m 1931 1934	
Screens	Type		Material	Breet gray Har	I state grain	19341937	
From To			ize Casing Liner	Class are 4 to 12	gry-grun	1937/949	
	+	 		clag graff & Bo	Let Block	1942 1954	
	+			Baself grag		1934 1960	
	1-1-	 		South group cla	gray + shilly	1960 1963	
	1	 		Basel gray cuy	grag SOFT	1963 1976	
			U U	Bat U at the	rek Soft &	1976	
(8) WELL TES	TS: Minimum to	esting time is 1 l	hour	Date started	wall frem	1 1999	
		g I.		(unbonded) Water Well C	Compi		
Pump	Bailer	Air	Flowing Artesian	I certify that the work I	performed on the const	truction alteration	
Yield gal/min	Drawdown	Drill stem at	Time	i uluus weli is in commisme	e with tweach water a	tools well construction of	
			1 hr.	and belief.	tion reported above are	e true to the best of my know	wiedge
						WWC Number	
T		L		Signed		Date	
Temperature of wa		Depth Artesian Flo	w Found	(bonded) Water Well Con		:	
Was a water analy		es By whom		I accept responsibility for	or the construction, alte	eration, or abandonment wo	rk
	tain water not suitab			performed during this time	ng the construction dat is in compliance with (Dregon water supply well	k
Depth of strata:	dy Odor O	Colored Oth	er	construction standards. Th	report is true to the b	est of my knowledge and be	
-open or suara:					la Ima	WWC Number 139	9_
ORIGINAL & E	PST CODY WAT	ED DESCUE	IC DEDA DOS ASSESSED	Signed W and	o our	Date	
ORIGINAL & F	IKS I COP I-WAT	EK KESOUKCE	S DEPARTMENT SEC	COND COPY-CONSTRU	CTOR THIRD C	OPY-CUSTOMER	

Unio 50684

APR 1 3 2000

#12 &19

STATE OF OREGON

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(as required by ORS 537.765)
WATER RESOURCES DEPT.
Instructions for completing this report are on the last page SALEM DAEGON

(1) OWN	ER:				W	ell Nur	nber		(9) LOCATION OF	WELL by legal desc	ription:		
Name									County	Latitude	Longit	ude	
Address										N or S Range_			WM.
City				State			Zip		Section	1/4_	1/	4	
(2) TYPE										LotBlock_			
ONEW W			ng Altera	tion (re	pair/re	condit	ion) 🗌 Ab	andonment	Street Address of W	ell (or nearest address)			
		_	ry Mud	Cable		Aug	er		(10) STATIC WAT	ER LEVEL:	· · · · · · · · · · · · · · · · · · ·		
Other			.,	,	,		,			elow land surface.	Date	e	
(4) PROI	POSEI	USE	:						Artesian pressure			6	
Domest			munity [Indust	trial		Irrigation		(11) WATER BEAR	ING ZONES:			
Therma	•	Injec		Livest			Other						
(5) BOR	E HO	LE CO	NSTRUC'	TON:					Depth at which water w	as first found			
			oval Yes										
Explosives	used	Yes	☐ No Typ	e		A	mount		From	То	Estimated F	low Rate	SWL
н	OLE			SE	AL								1
Diameter	From	То	Materia	d F	Frem	To	Sacks or	pounds					+
				-+									+
		7											
									(12) WELL LOG:				
How was	seal plac	ced:	Method	□ A		В [_c _	D DE	' '	nd Elevation			
Othe	r												
			ft. to				rial		Mate		From		SWL
Gravel pla			ft. to_		ft.	Size	of gravel			cury gry SOFT			-
(6) CAS										FT Baset Block			
D	iameter	Fre	en ToG	auge S		Plasti		Threaded		lay gray 50F			$\overline{}$
Casing:		+	-			닏		님		tock + state grant que			
		+	+							+ shile gran			
_		+-								+ Abole grun			
T :		+-	- - 							rec. + shale gr		110	
Liner:		+	+	$\overline{}$	H	Н	H	H		tone of print So		1133	
Final local	tion of s	hoe(s)								ck " 111 1		1/09	
			SCREEN	S:						+ Wale green			
` '	oration		Method							+ gray + shed			
Scre			Туре				aterial			K+ gray + clay			
	To	Slo		Nom		Tele/p		g Liner	11 aru	+ SOFT	9	1818	
From	10	3124	Namoci	Dianis	cici	****			Baset Blo	K+ state Rel. B	4 22/86	1221	
									Baset Berk	- state gray che	822218	1270	
							□		clay Red Bro	m Bailt Blog	1128709	2274	
							□		Boset Block	+ conder Red	22749	1279	
									Breet gray	clay gray 30F	T 2279		
									Shale	grein		1304	
(8) WEL	L TES	TS: N	Ainimum to	esting	time i	is 1 ho	our		Date started		pleted		
								lowing	,	il Constructor Certifica			
Pun	-	_	Bailer		Air		□ A	rtesian		k I performed on the con ance with Oregon water			
Yield g	al/min	Dı	rawdown	D	rill ster	m at		Time	Materials used and info	rmation reported above a			
		-		-				1 hr.	and belief.		TIME CO.		
,		-		-			-		Simud		WWC Numb		
Tomassi				Dart	A =1c =1	n Flor	Fourd		Signed Water Well	Constructor Certification		<u></u>	
Temperatu				Ces By			Found		(donment wa	w.
Was a wat	•		e? Y ster not suitab				Пто	little	performed on this well	ty for the construction, al during the construction d	ates reported abo	ve. All wo	
•			Odor					, muc	performed during this t	ime is in compliance with This peport is true to the	h Oregon water si	upply well	
Depth of s	_	-u, [] Ago: []	COLORG	- L				,)		WWC Numb	-	~iici.
Dopus of a	voolin								Signed Was	los Jesus		Date	

UNIO 50684

APR 13 2000

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765) WATER RESOURCES DEPT.

Instructions for completing this report are on the last pages time research.

WELLID. #L 48

(1) OWNER:			V	ell Nun	nber .	1) OTIE	(9) LOCATION OF	WELL by legal desc	ription:	
Name		•					10.000	Latitude	•	
Address									E or W	. WM.
City			State		Zip			1/4_		
(2) TYPE OF	WORK						Tax Lot L	ot Block	Subdivision	
New Well		Altera	tion (repair/r	econditi	ion) 🗌 Abanc	donment				
(3) DRILL MI										
Rotary Air	Rotary	Mud	Cable	Aug	er		(10) STATIC WATE	R LEVEL:		-
Other								ow land surface.	Date	
(4) PROPOSE	D USE:				-		Artesian pressure	lb. per squa	re inch. Date	
□ Domestic	Commu	nity [Industrial		rrigation		(11) WATER BEARI	NG ZONES:		
Thermal	Injection	n [Livestock		Other					
(5) BORE HO	LE CON	STRUCT	TON:	\			Depth at which water was	first found		
Special Construc							-	,		
Explosives used	Yes	No Typ	•	A	mount		From	To	Estimated Flow Rate	SWL
HOLE			SEAL							
Diameter From	Te	Materia	From	То	Sacks or po	wads				
	-									\perp
					<u> </u>		(12) WELL LOG:			
How was seal pla		Method	_A _	B []C D	□E		d Elevation		
Other										
Backfill placed fr				Mater			Materia		From To	SWL
Gravel placed fro		ft. to_	ft.	Size o	f gravel				- 1304 2329	
(6) CASING/I	LINER:		,				But gray 1		23892338	
Diameter	From	To G	auge Steel	Plastic	: Welded '	Threaded	inde Red + cl		83388341	
Casing:		\vdash					day Brown +		83418347	
		-					clay Block 4 de		8347 2354	
			-				day gray SOI		2334 2356	
	-	-					day + Stale		23.56 2.362	
Liner:		\vdash					clay grun set			
			🗆				cinder Block	, NO T N	7 2368 2371	
Final location of							Make gram Ba		237/2379	
(7) PERFORA		CREEN	S:				Boset groy +		2379 2383	
Perforation	ns Me	thod					Bout Block to		2383 4392	
Screens	Typ Slot	e			sterial		cimber gray + R			
From , To	Slot	Number	Diameter	Tele/pi		Liner	Brank Block+		9396	
					_ □		condo Brown			_
					_ 0		Baut Block Va	a, winder Red		laung
					_ □		Show	le grun	2417	25GP
					_ □		Basel Block M	ele gram + chy gb	2417 2425	
					_ 0		clay groy+Block	+ Basel Block	2485 2487	
							clay green + gra	3 SOFT	2427 2428	
(8) WELL TE	STS: Min	imum te	sting time	is 1 ho	ur		Date started	Comp	pleted	
					Flow	ing	(unbonded) Water Well	Constructor Certifica	tion:	
Pump	Bai	ler	Air Air		Arte:				struction, alteration, or abar	
Yield gal/min	Draw	down	Drill ste	m at		ime			supply well construction sta re true to the best of my kno	
	+					1 hr	and belief.	•		-
									WWC Number	
:							Signed		Date	
Temperature of v	vater	I	Depth Artesia	n Flow	Found		(bonded) Water Well Co	onstructor Certificatio	n:	
Was a water anal	ysis done?	□ Y	es By whom	1					teration, or abandonment w	
Did any strata co	ntain water	not suitabl	e for intende	ed use?	Too lit	ttle			ates reported above. All wo n Oregon water supply well	ork
Salty Mu	ıddy 🔲 O	dor 🔲	Colored	Other					best of my knowledge and	belief.
Depth of strata:							1 / 1	1// J.	WWC Number	
							Signed Wall	NB Stown	Date	

ŧ.

UNIO SOUSH APR 13 2000

#1400/9

STATE OF OREGON

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPT.

Instructions for completing this report are on the last pa	ALEMOREGO	N	START CARD# _		
(1) OWNER: Well Number	r	(9) LOCATION OF V	VELL by legal descr	iption:	
Name				Longitude	
Address				E or W.	
City , State	Zip		1/4		
(2) TYPE OF WORK		Tax LotL	otBlock	Subdivision	
New Well Deepening Alteration (repair/recondition)	Abandonment	Street Address of Well	(or nearest address)		
(3) DRILL METHOD:					
Rotary Air Rotary Mud Cable Auger	*	(10) STATIC WATER	LEVEL:		
Other		ft. belo	w land surface.	Date	
(4) PROPOSED USE:		Artesian pressure		e inch. Date	
Domestic Community Industrial Irrig		(11) WATER BEARI	NG ZONES:		
Thermal Injection Livestock Oth	er				
(5) BORE HOLE CONSTRUCTION:		Depth at which water was	first found		
Special Construction approval Yes No Depth of Compl		Г	T- 1	Datimated Dam Date	СМД
Explosives used Yes No Type Amo	unt	From	То	Estimated Flow Rate	SWL
HOLE SEAL	0. 1				+
Diameter From To Material From To	Sacks or pounds				+
					
					\vdash
		(12) WELL LOC			
How was seal placed: Method A B	C DD DE	(12) WELL LOG:	Elevation		
Other					
Backfill placed from ft. to ft. Material		Materia			SWL
Gravel placed from ft. to ft. Size of g	ravel	day TAN So	FT	8428 8451	
(6) CASING/LINER:		den gren + a	204 + Dry-HAI	124512454	
Diameter From To Gauge Steel Plastic	Weided Threaded	dea grunt gr			
Casing:		day TAN 30			
				24378461	
		dog ton Bros		2461 2464	
		Boset Block Vac		24442482	
Liner:		Bosett Block rec			
		Baset Block day			
Final location of shoe(s)		circles Red + cla		23/1	-
(7) PERFORATIONS/SCREENS:		n . Hn. 4 1	green	23/6 2575	
Perforations Method		Bast Blak L	Const.	2575 9377	
Screens Type Mater		Cinder Red M	L. are are	25772579	$\overline{}$
From To size Number Diameter size	Casing Liner	Brack Brown t.		25792881	$\overline{}$
		Bant Rhakes	the greatery of	2381	
		Barren Barren	godita	2584	
		Bout Korne	+ day grung SOF	- 0-01 1 2 10.7	
		Road Block &	chia arem HA)	1 2587 2590	
		conda Broms	Red + sple gran	2390 2393	
(8) WELL TESTS: Minimum testing time is 1 hour		Date started	Comp	pleted	
	Flowing	(unbonded) Water Well	Constructor Certifica	tion:	
☐Pump ☐Bailer ☐Air	Artesian			struction, alteration, or aband	
Yield gal/min Drawdown Drill stem at	Time	of this well is in complian	nce with Oregon water a mation reported above a	supply well construction star re true to the best of my kno	ndards. wiedge
	1 hr.	and belief.			
				WWC Number	
		Signed		Date	
Temperature of water Depth Artesian Flow Fo	ound	(bonded) Water Well C			
Was a water analysis done? Yes By whom		I accept responsibility	for the construction, altering the construction d	teration, or abandonment wo ates reported above. All wo	ork rk
Did any strata contain water not suitable for intended use?	Too little	performed during this tin	ne is in compliance with	Oregon water supply well	
Salty Muddy Odor Colored Other		construction standards.	This report is true to the	best of my knowledge and b	elief.
Depth of strata:		Signed Wal	la di-	WWC Number	
		Signed /	a moun	Date	

APR 13 2000

#15 ×19

STATE OF OREGON

WATER SUPPLY WELL REPORT (as required by ORS 537.765)

(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

WATER RESOURCES DEPT.

SALEM OREGON

,					
(1) OWNER: Well Number		(9) LOCATION OF V	VELL by legal descr	iption:	
Name			Latitude		
Address				E or W.	WM
City State Z	io		1/4		*******
(2) TYPE OF WORK		Tax Lot L	nt Rinck	Subdivision	
New Well Deepening Alteration (repair/recondition) A	bandonment	Street Address of Well	(or nearest address)	Subdivision	
(3) DRILL METHOD:		Jacon House of Hou	(or noncost about cas)		
Rotary Air Rotary Mud Cable Auger		(10) STATIC WATER	I EVEL.		
Other				D	
(4) PROPOSED USE:			w land surface.	Date	
		Artesian pressure	lb. per square	e inch. Date	
		(11) WATER BEARI	NG ZONES:		
Thermal Injection Livestock Other		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
(5) BORE HOLE CONSTRUCTION:		Depth at which water was	first found		
Special Construction approval Yes No Depth of Completed W					
Explosives used Yes No Type Amount _		From	То	Estimated Flow Rate	SWL
HOLE SEAL					
Diameter From To Material From To Sacks	or pounds				
		(12) WELL LOG:			
How was seal placed: Method A B C	D DE	, ,	Elevation		
Other					
Backfill placed from ft. to ft. Material		Material		From To	SWL
Gravel placed from ft. to ft. Size of gravel		Basett Brown &	he gran	2893 2596	-
(6) CASING/LINER:		Baset Brown A		2596	
Diameter From To Gauge Steel Plastic Welded	Threaded	White of cinder		2597	
Casing:		Baset Brown		2597 8400	
	ä	But Block sh			
	ä	Bord Brown		2603 2605	
		Boset Blook A		2605 2612	
Liner:		Basel gray's r		0/10 0/00	
	H	Bout gray Bros		24/2 2427	
Final location of shoe(s)		Boset Red She		2629 2632	
(7) PERFORATIONS/SCREENS:		Rout Block &		86328637	
Perforations Method				1000	
		Bout gray stal		8445 8652	
Slot Tele/pipe		Baset Brown		2652 2657	
From To size Number Diameter size Casi		Basel Block Va			
		Basit grog + 1	stock ship gree		
		1	chy gray	2467	
		shale green Ball	A Block	2667 2683	
		Basel Block &	The State of	2683	
		, 4	ey gran Sof	7 2489	
		Shale green Bas	It Block	2689 2690	
(8) WELL TESTS: Minimum testing time is 1 hour		Date started	Comple	eted	
	lowing	(unbonded) Water Well C	Constructor Certification	on:	
	rtesian	I certify that the work I	performed on the constr	uction, alteration, or aband	lonment
Yield gal/min Drawdown Drill stem at	Time	of this well is in compliance Materials used and informs	e with Oregon water sur	miv well construction stan	dande
	1 hr.	and belief.	atou reported above are	u de to the best of my know	wiedge
				WWC Number	
·		Signed		Date	
Temperature of water Depth Artesian Flow Found		(bonded) Water Well Con	structor Certification:		
Was a water analysis done? Yes By whom		I accept responsibility fo	or the construction, alter	ation, or abandonment wo	rk
Did any strata contain water not suitable for intended use?	o little	performed on this well duri	ing the construction date	s reported shove. All worl	k
Salty Muddy Odor Colored Other		performed during this time construction standards. Th	is in compliance with C	regon water supply well est of my knowledge and be	elief
Depth of strata:			/	WWC Number	ciici.
A		Signed Wald	1 Jours	Date	

4010 50684

APR 13 2000

#16 of 19

STATE OF OREGON

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form OREGON

WELL I.D. #L 40696 START CARD # 114141

(1) OWN	ER:				Well Nu	mber		(9) LOCATION OF V			
Name		1						County		Longitude	
Address								Township	N or S Range_	E or W.	WM.
City				State		Zip		Section	1/4_	1/4 Subdivision	
(2) TYPI	E OF W	ORK									
New W	/ell 🔲 I	eepening	Alterat	tion (repair	/recondi	tion) Aband	onment	Street Address of Well	(or nearest address)		
(3) DRII	L ME	HOD:									
Rotary	Air [Rotary	Mud 🗌	Cable	Au	ger		(10) STATIC WATER		_	
Other								ft. belo		Date	
(4) PRO	POSEI	USE:						Artesian pressure	lb. per squa	are inch. Date	
Domes		Comm		Industrial		Irrigation		(11) WATER BEARI	NG ZONES:		
Therm	el l	_ Injecti		Livestock		Other					
			STRUCT					Depth at which water was	first found		
Special C	onstructi	on appro	val 🔲 Yes [No De	pth of Co	ompleted Well	ft.		T.	Estimated Flow Pate	CMA
_		Yes [No Type			Amount		From	То	Estimated Flow Rate	SWL
H	HOLE			SEAL							+-1
Diameter	From	To	Materia	l Fron	n To	Sacks or po	wads			 	+-+
	-	-		-	+-	+			-		+
	-				+-						+-+
	-			-+-	-	+					
			26.0.1		<u></u>			(12) WELL LOG:			
How was	seal pla	ced:	Method	∐^ I	В	C D	□E	Ground	l Elevation		
				ft.	16-4	erial		Materia	a 1	From To	SWL
			_ ft. to_			of gravel		slike grugt B			
Gravel pl			ft. to	П.	Size	of gravei		sac togis	grung SOF		
(6) CAS					. N	de Walded	Threaded	Brott Block		2705 2711	
1	Diameter	Fron	1 To G	auge Stee	_			Add Brown +		07/1 97/4	
Casing:_		+	+		F			the Brown		9214 0718	
_		-	+-+	ᆜ吕	_			Well grent B		97/8/2790	
_		+-	+	\dashv	_				Pull !	144 7 80 2722	
		+	+	그님				Bouth Bloo		2789 2730	water
Liner: _		+	+	\dashv		1 1	Н	Board gray	aurita (whit	92309761	
First less	-4i6	(a)			_		ш	But any	hudrosh 90	4 97619778	
Final loca			SCREEN	c.					1 11 12		
									hal green with	RU27792782	
	rforation		fethod		1	Vaterial		Shale Krows			
Sa		Slot	уре		Tele	pipe		m. Hnint			
Frem	То	size	Number	Diameter	「 ⁸⁴	ze Casing	Liner	Basell gerage	Stale gray		
		+	+		_			Shele Krown			
		_	+	—		— H	Ħ	inder Block	Shale grea	- 2801 28/6	
		+	+			— H		But Blok	Stale great &	zun 28/6 8886	
		+-		1	_		Н	Cinda Blaks	red the or	an 2826 2889	
								11 1111	Nale Brown + gro	- 2829 2835	
(8) WE	II.TE	STS: M	linimum t	esting tir	ne is 1 i	our		Date started	Cor	mpleted	
(0) 112		141						(unbonded) Water Wel	Constructor Certific	cation:	
□Pu	ımn	П	lailer	∏Ai	r	Arte	wing esian	I certify that the work	I performed on the co	nstruction, alteration, or abar	donment
	gal/min	_	nwdown	_	stem at		Time	of this well is in complia	nce with Oregon water	r supply well construction sta are true to the best of my kno	ndards.
		T		T			1 hr.	and belief.	illinion reported acove	and the same over our my kin	
										WWC Number	
- 3								Signed		Date	
Tempera	ture of v	vater		Depth Art	esian Flo	ow Found		(bonded) Water Well C	onstructor Certificat	ion:	
•		ysis done		Yes By wi				I accept responsibility	y for the construction,	alteration, or abandonment w	ork
		•	er not suital	•	-	? Too I	ittle	performed on this well d	turing the construction	dates reported above. All we ith Oregon water supply well	orik
			Odor 🔲					construction standards.	This seport is true to the	he best of my knowledge and	belief.
Depth of		,			_	_			1// S	WWC Number 139	77_
•						177		I simul a / m	so more	Date	

4110 5.0684

(as required by ORS 537.765)

WATER RESOURCES DEPT.

Instructions for completing this report are on the last page Shifting OREGON

STATE OF OREGON

WATER SUPPLY WELL REPORT

RECEIVED

APR 13 2000

START CARD # _

(1) OWN	ER:			We	ell Num	ber			WELL by legal descr Latitude		itude	
Name								County	N or S Range_	Long	E or W	v. WM.
Address						7:-		Section Section	1/41/4		1/4	/
City		I O D I		state		Zip		Tex Lot	LotBlock	Sub	division	
(2) TYPE	OFV	VORK	ng Alteration	- (i-ba	oonditi.	on) 🗆 Abane	donment		ell (or nearest address)			
(3) DRII				MI (repair/re	COLIGICA	OII) AOMA	COLLINGIA		_			
			ryMud ☐0	'able [Auge	er		(10) STATIC WAT	ER LEVEL:			
Other	AII		ry Mud	abic [•		` '	elow land surface.	D	ate	
(4) PRO	POSE	USE						Artesian pressure	lb. per squa		ate	
Domes			munity 🔲 I	ndustrial		rrigation		(11) WATER BEAT	RING ZONES:			
Therms		Injec		ivestock		Other						
(5) BOR			NSTRUCTI	ON:				Depth at which water w	as first found			
Special Co	onstruct	ion appr	roval Yes	No Depth	of Con	npleted Well	ft.			=	- D.	
Explosive	s used	Yes	☐ No Type		A	mount		From	То	Estimated	Flow Rate	SWL
	OLE			SEAL								+
Diameter	From	To	Material	From	To	Sacks or p	ounds					+
												$\overline{}$
												+
			L			70 0		(12) WELL LOG:	177			
How was	seal pla	ced:	Method [_^ _	В]c) E	Gro	ınd Elevation			
Oth	×			-	264	1.1		Met	erial	From	To	SWL
			ft. to	_	Mater	-		Bout Block A	Lele arun	8833		
Gravel pla		_	ft. to	ft.	Size	of gravel		Bout Blog	K			350 GPA
(6) CAS	SING/I						m	David Screen	stale grun	2845	_	
I	Nameter	Fre	omen To Ga	uge Steel	Plasti	_	Threaded	Baset Blook	4 Cert	2863	2870	
Casing:		+-	-+-+	\dashv	님			Cant area	+ Shale green	28 70	2879	
-		+	-+-+						Lardy grun	1878	2879	
_		+-	-	니므				Part Grad	Estale groy	28 29	2881	,
_		-	-					Rout Bloo		9881	29/4	
Liner:		+	-+-+					Bullalak	+ cinder Red	2914	-	
		. ()						Baself great			2984	
Final loca								Bauth Block	16h oren	9984	9939	
			S/SCREENS					Best Ores	+ Style gran +9	199 934	9943	
	rforation	18	Method			laterial		Belefister	11 11 11	2943	2954	
Sa	reens	SI	Type		Tele/p	ipe		Bart gery	+ state grag	2954	2938	*
From	То	siz	se Number	Diameter	siz	Casing	Line	Besett Block		100	2949	
		+			_		ä	RueHaras	to shale green	2949	2970	7
		-			_			Rosell & hora	n+Block Hale 9	2970	1973	
		+			_	— H		Rud groy	+ Unk grum	2933	1976	
		+			+	— H	Ħ	Rosett Bla	ch	2974	288	2
								But gra	+ RLock good	3 298	1986	;
(9) WE	TITE	ere.	Minimum te	stino time	is 1 h	our		Date started	Con	npleted		
(O) WE	LLIE	Ø 10.	Milliman .c	oring rime				(unbonded) Water V	Vell Constructor Certific	ation:		
Pu		_	Bailer	Air			owing tesian	I certify that the w	ork I performed on the co	nstruction, alte	ration, or al	oandonment
	-	-	Drawdown	Drill st	em at		Time	of this well is in com	pliance with Oregon water formation reported above	supply well co	enstruction	standards.
1 leig	gal/min	T '	, and that	m			1 hr.	and belief.	rormanon reporter anno		va my	
		_								WWC Nu	mber	
-								Signed			Date	
Tempera	ture of	water	1	Depth Artes	ian Flov	w Found			l Constructor Certificat	ion:		
Was a w				es By who				I accept responsib	ility for the construction,	alteration, or al	andonmen	t work
			vater not suitab			7 Too	little	nerformed during this	Il during the construction time is in compliance wi	th Oregon wate	er supply w	ell
			Odor 0					construction standard	s. This report is true to the	ne best of my k	nowledge a	nd belief.
Depth o		_						1	/// J	WWC N	umber /	398
,			ALC: NO.					Signed Ca	we you		Date	

State

5.0684 APR 13 2000

STATE OF OREGON

(1) OWNER:

(2) TYPE OF WORK

(3) DRILL METHOD:

(4) PROPOSED USE:

Name

City

Address

Other

WATER SUPPLY WELL REPORT

Instructions for completing this report are on

(as required by ORS 537.765)

Rotary Air Rotary Mud Cable

WATER RESOURCES DEPT. the last AM EM CREGON

Zip

Well Number

Auger

#18 0=19

WELL I.D. #1 START CARD # (9) LOCATION OF WELL by legal description: Latitude County Longitude N or S Range E or W. WM. Township Section 1/4 1/4 Block Subdivision New Well Deepening Alteration (repair/recondition) Abandonment Street Address of Well (or nearest address) (10) STATIC WATER LEVEL: ft. below land surface. Date Artesian pressure lb. per square inch. Date (11) WATER BEARING ZONES: Depth at which water was first found From **Estimated Flow Rate** SWL (12) WELL LOG: Ground Elevation Material SWL From To 7842988 29884991 299/ 9997 2997 3009 3027 3035 don's rust Block of great Date started Completed (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, 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. WWC Number Date (bonded) Water Well Constructor Certification: I accept responsibility for the construction, 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. WWC Number 1399

□ Domestic Community Industrial Irrigation Thermal Injection Livestock Other (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well Explosives used Yes No Type SEAL HOLE Sacks or pounds From From How was seal placed: Method A \Box B ПС \Box D Other. Backfill placed from ft. to ft. Material ft. Size of gravel Gravel placed from ft. to (6) CASING/LINER: Gauge Steel Welded Threaded Plasti \Box Casing: Final location of shoe(s) (7) PERFORATIONS/SCREENS: Perforations Method Screens Material Slot Diam (8) WELL TESTS: Minimum testing time is 1 hour Flowing Bailer Artesian Pump Air Drill stem at Time Yield gal/min 1 hr. Temperature of water Depth Artesian Flow Found Yes By whom Was a water analysis done? Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other Depth of strata: Signed Co Date ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

50684

APR 13 2000

STATE OF OREGON WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

(as required by ORS 537.765) WATER RESOURCES DEPT.

Instructions for completing this report are on the last page of this period of the last page of the last

#19 0019

(1) OWNER:		Well 1	Number		N OF WELL by legal descr	ription:	
Name	•				Latitude		
Address					N or S Range		
City		State	Zip		1/4		
2) TYPE OF W	ORK			Tax Lot	LotBlock	Subdivision	
,		tion (renair/recor	ndition) Abandonm	ent Street Address	of Well (or nearest address)	Stockvision	
3) DRILL ME		mon (reput/reco	11041001				
	Rotary Mud	Cable D	Auger	(10) STATIC	WATER LEVEL:		
		JCause	Augei	(IV) SIAIIC	ft. below land surface.	Date	
Other	MCE.				-	Date	
. ,		77. 1			BEARING ZONES:	e inch. Date	
	Community [Irrigation	(II) WAIER	BEARING ZUNES:		
			Other				
	LE CONSTRUC'				ater was first found		
			Completed Well				_
	Yes No Typ		Amount	From	То	Estimated Flow Rate	SW
HOLE		SEAL					+-
Diameter From	To Materia	ıl From T	To Sacks or pounds				
		-					
				(12) WELL LO	OG:		
How was seal plac	ed: Method	□A □B	C D [TE (12) WELLE	Ground Elevation		
Other					Y .		
Backfill placed fro		ft. M	aterial		Material	From To	SWL
Gravel placed from			ze of gravel	Ruth gra	++ style often +93	43/943/97	
(6) CASING/L	-			Post PI	rek + shale green	31273134	
Diameter		auge Steel Pl	astic Welded Thres		of t the grum		
				T ROLLING	Cont + She green		
Casing:	++-+			- 1			
	 				5 Line	3137 3138	
***************************************	+					+	
	+			ן		+	
Liner:	+			<u> </u>			
]		1	
Final location of sl				_			
(7) PERFORAT	TIONS/SCREEN					/	
Perforations	Method						
Screens	Type		Material				
From . To	Slot , size , Number		le/pipe size Casing L	iner			
	Name	Jameser			1 /		
	 			片		1 1	
	+	 		밁		 	
		<u> </u>	U	□		+	
(0) 1111111	mc						
(8) WELLTES	TS: Minimum to	esting time is 1	nour	Date started	Comp		
		1	Flowing		er Well Constructor Certificati		
Pump	Bailer	Air	Artesian	I certify that th	ne work I performed on the const	truction, alteration, or aban	donme
Yield gal/min	Drawdown	Drill stem at	Time	- Materials used an	compliance with Oregon water st d information reported above an	upply well construction sta e true to the best of my kno	ndards. owledge
			1 hr.	and belief.		and the same of th	
						WWC Number	
:				Signed		Date	
Temperature of wa	ater	Depth Artesian F	low Found		Well Constructor Certification		
Was a water analys		es By whom			nsibility for the construction, alte		nel-
				performed on this	well during the construction da	tes reported above. All wo	
	tain water not suitab		_	performed during	this time is in compliance with	Oregon water supply well	
	dy Odor O	Colored O	ther		dards. This report is true to the t		
Depth of strata:	<u> </u>			1 //	alle Some	WWC Number 23 9	9_
				Signed CV	SUCCES OF THE	Date	