Groundwater Application Review Summary Form

Application # G- 18894
GW Reviewer This May Cy Date Review Completed: 2/14/2020
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. Boute 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 February 14,2020 **MEMO** Application G- 18894 TO: GW: Phi Marcy (Reviewer's Name) FROM: SUBJECT: Scenic Waterway Interference Evaluation X YES The source of appropriation is within or above a Scenic Waterway NO X YES 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. X Per ORS 390.835, the Groundwater Section is unable to calculate ground water interference with surface water that contributes to a scenic waterway; therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway. DISTRIBUTION OF INTERFERENCE Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding. Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced. Feb Jan Mar May Jun Sep Apr Jul Aug Oct Nov Dec

PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

			Rights Sec	Date <u>02/14/2020</u>										
FROM:		Ground	dwater Sec	ction		Phillip I. Marcy Reviewer's Name								
SUBJE	СТ·	Annlic	ation G- 1	8894					ew of					
SCDJL	C1 .	тррпс		0074		Бирс	orseacs	10 11	CW 01		D	ate of Revi	ew(s)	
DI RI I	CINTE	REST	PRESIIN	IPTION; (POUND	WATER								
								lwate	er use will en	sure th	ne preser	vation of	the publi	С
welfare,	safety and	d health	n as describ	ed in ORS 5.	37.525. De	partment s	taff rev	ew g	roundwater a	applica	itions und	der OAR	690-310-	140
									proposed us					
the presi	imption ci	riteria.	I his reviev	w is based u	pon avana	bie inforn	nation a	na a	gency polici	es in p	nace at t	ne time (or evalua	tion.
A. <u>GEN</u>	NERAL 1	INFOI	RMATIO	<u>N</u> : App	licant's Na	ame:G	regory	L.B	ingaman		Co	ounty:U	Jnion	
A 1	Applican	woll(s)) in the	(Granda Dand	0				Basin,				
A1.	Applicant(s) seek(s) _5.18 _ cfs from _1								Jianue Konu					Dasiii,
						subbas	sın							
A2.	Proposed	use	Irriga	ation (310.89	acres)	Seaso	nality:	Mar	ch 1st – Octo	ber 1st	(214 day	ys)		
A3.	Well and	aquife	r data (atta	ch and num	ber logs fo	or existing	wells;	mark	proposed w	vells as	s such ui	nder logi	d):	
Well	Logic	i	Applicant'	s Propose	d Aquifer*	Propo			Location	,			nd bounds	
1	UNIO 50		Well #		asalt	Rate(c			(T/R-S QQ-Q 2S/38E-12 SE-S				fr NW cor SW cor, S	
2														
3 4		-				-								-
5														
* Alluviu	ım, CRB, E	Bedrock												
	Well	First	SWL	SWL	Well	Seal	Casii	ng	Liner	Perfo	orations	Well	Draw	Test
Well	Elev	Water	r ft bls	Date	Depth	Interval	Interv		Intervals		Screens	Yield	Down (ft)	Type
1	ft msl 2775	ft bls	-30.03	03/24/2008	(ft) 3138	(ft) 0-197;	(ft) 0-17		(ft) NA		(ft) 2-1952;	(gpm) 1700	36' in 7	Pump
						1772- 1872					2-2472; 7-2457;		hours	
						1072				2587	7-2687;			
											7-2767; 7-3138			
Use data	from appli	cation fo	or proposed	wells.										
Δ.1	Commo	••c• Th	a nr anasad	DOA wall is	construct	ad to pr odu	ica from	Dou	der River V	oloonio	se and ac	sociated	volcaniel	ectic
A4.									orized POA					astic
	Certifica	te 8950	3, Permit C	G-12738, and	Permit G-	15160, for	a total a	autho	rized rate of	6.7 cfs	s. The rep	ported yie	eld of the	POA
	well is 17	700 gpr	n (3.79 cfs)	, far below v	vhat is alre	ady author	rized.							
A5. 🛛	Provisio	ns of t	he Grande	Ronde			Basii	ı rule	es relative to	the de	velonmei	nt classif	ication a	nd/or
713.	managen	nent of	groundwate	er hydraulica	lly connec	ted to surfa	ace wate	er [are, or \boxtimes	are no	t , activat	ed by thi	s applicat	ion.
				such provisi										
A6.									s) an aquifer					
	Commen	aumm its:	istrative are	a										

Version: 05/07/2018

Date: 02/14/2020

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

B1.	Bas	ed upon available data, I have determined that groundwater* for the proposed use:								
	a.	is over appropriated, is not over appropriated, <i>or</i> 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. The permit should contain condition #(s) 7N; "Large Water Use Reporting"; ii. The permit should be conditioned as indicated in item 2 below. iii. The permit should contain special condition(s) as indicated in item 3 below;								
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.	Columbia from cert under	bundwater availability remarks: The proposed POA well, UNIO 50684, produces from volcanic flow rocks and ociated volcaniclastics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the umbia River Basalt Group. Based on construction and similar head elevations, two nearby wells appear to produce water in the same source aquifer. UNIO 2046 lies about 3 miles NNE of the proposed POA, is authorized for irrigation use under ifficate 90496, and belongs to the applicant. UNIO 173 is located 2.75 miles due north of the proposed POA, is authorized er 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.								
	Calc	culations of expected drawdown at neighboring UNIO 173 include all currently authorized pumping, in addition to the								
	proposed well performed and	posed rate herein, a total of 11.88 cfs. Using a range of transmissivity values derived from nearby pump tests in basalt ls, and a range of storativity values appropriate for confined aquifers, a series of Theis drawdown calculations were formed. Expected impacts at UNIO 173 from pumping UNIO 50684 at 11.88 cfs for a period of 245 days fall between 25 50 feet under the most likely scenarios. Static water levels in UNIO 173 are typically between 55 and 85 feet above land face, meaning that if 50' of drawdown does occur, resulting static water level will likely remain above land surface.								
	Sull	ace, meaning that it 50 of drawdown does occur, resulting static water level will likely femani above faild surface.								

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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		
		•					
		ن					

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 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?
1										

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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 T CET CE	atton and t	mintations t	pprj do r	ii esa 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?
Com	ments: Th	is section d	loes not a	nnly						

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.

Non-Distributed	Wells											
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
Distributed Well	S						***************************************				***************************************	
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS		×	,									
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
(A) = Total Interf.												
(B) = 80 % Nat. Q												
(C) = 1 % Nat. Q												
$(\mathbf{D}) = (\mathbf{A}) > (\mathbf{C})$		V				V		-		V -		V
$(E) = (A / B) \times 100$	%	%	%	%	%	%	%	%	%	%	%	%

(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. Basis for impact evaluation: This section does not apply. 690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water C4b. Rights Section. C5. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or groundwater use under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; C6. SW / GW Remarks and Conditions: Special Condition: If a permit is issued, OWRD staff shall be granted access to the POA well in order to conduct static water level measurements in addition to yearly static water level measurements in March required by Condition 7N in Section B1 above. References Used: Development Potential of Ground Water in the Grande Ronde Valley, Union County, Oregon, Ham, 1966 Ferns, M. L., McConnell, V. S., Madin, I. P., and Johnson, J. A., 2010, Geology of the upper Grande Ronde River basin, Union County, Oregon; Oregon Department of Geology and Mineral Industries Bulletin 107, scale 1:100,000, 65 p. OWRD water level database. Groundwater review G-17558.

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D. WELL CONSTRUCTION, OAR 690-200

D1.	Well #:	Logid:	
D2.	a.	VELL does not appear to meet current well construction standards based upon: review of the well log; field inspection by report of CWRE other: (specify)	;
D3.	THE W	VELL 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

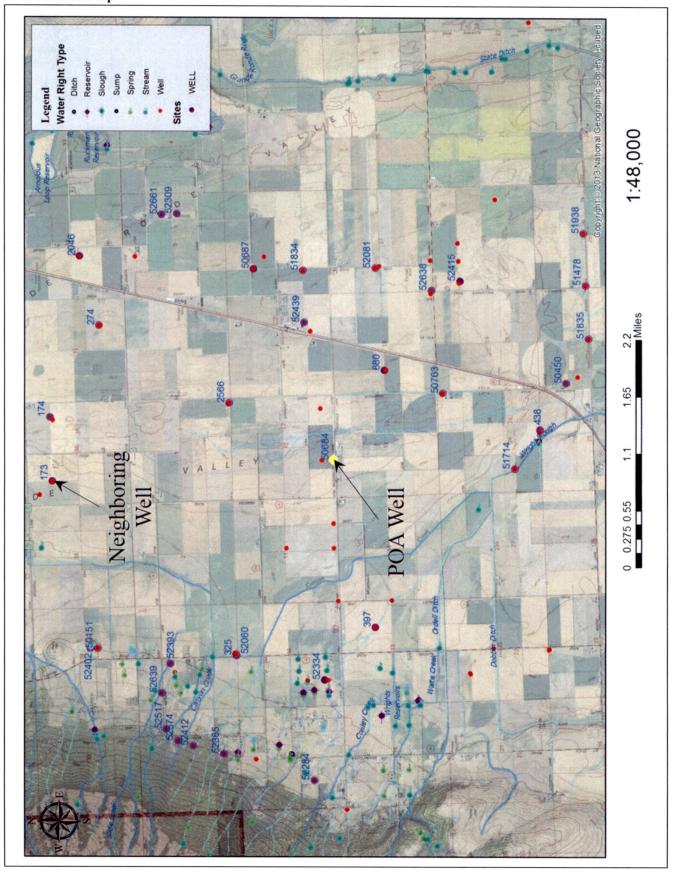
					N	
Watershed ID #: Time: 3:52 PM	30810407	GRANDE RO	NDE R > SNAKE R - A Basin: GRANDE RO		Ex	ceedance Level: 80 Date: 02/11/2020
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirements	Net Water Available
		Storage is t	Monthly values a he 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 16.80	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 94.80 63.40 60.80 78.10

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Date: 02/14/2020

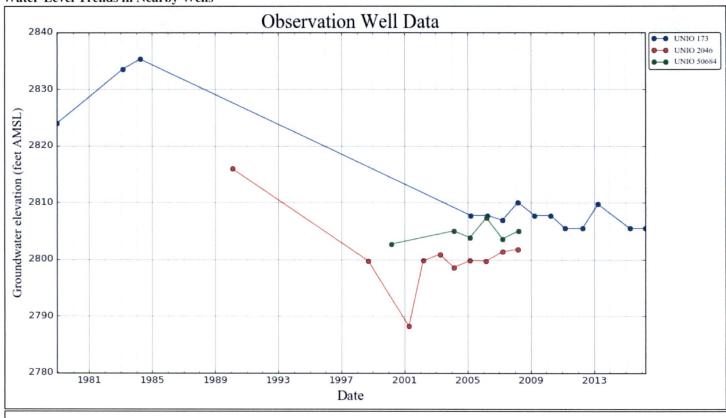
7

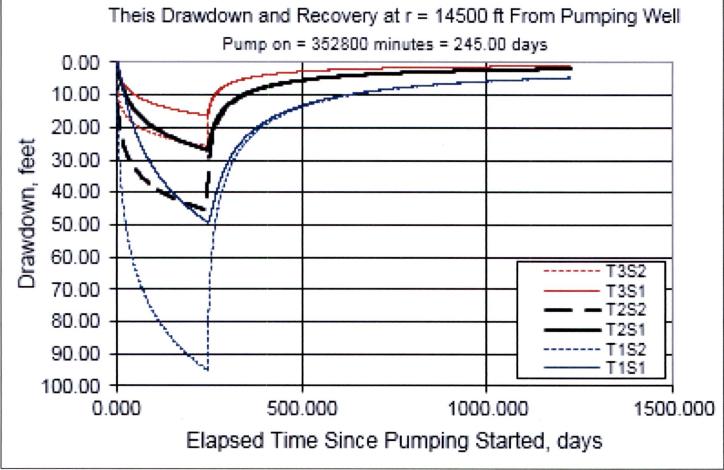
Well Location Map



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Water-Level Trends in Nearby Wells





Expected drawdown (using T2 curves) at UNIO 173 is between roughly 25 and 55 feet after pumping UNIO 50684 for 245 days at a rate of 11.88 cfs, the combined rate of current authorizations and the proposed rate on this application.



MEMO

To:

Kristopher Byrd, Well Construction and Compliance Section Manager

From:

Joel Jeffery, Well Construction Program Coordinator

Subject:

Review of Water Right Application G-18894

Date:

March 2, 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.

MEMO

To:

Kristopher Byrd, Well Construction and Compliance Section Manager

From:

Joel Jeffery, Well Construction Program Coordinator

Subject:

Review of Water Right Application G-18894

Date:

February 27, 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 does not appear to comply with current minimum construction Standards (See OAR Division 210). This is a flowing artesian well. In order to meet minimum well construction standards, the well must be continuously cased and continuously sealed into the consolidated formation immediately overlying the water bearing zone. In addition, flowing artesian wells shall be equipped with a control valve and a water tight mechanical cap threaded or welded, so that all flow of water from the well can be completely stopped. Also, the well shall be equipped with a pressure gauge on a dead end line with a petcock valve placed between the gauge and the well casing.

My recommendation is that the Department **not issue** a permit for Applicant's Well #1 (UNIO 50684) unless it is brought into compliance with current minimum well construction standards or information is provided showing it is in compliance with current minimum well construction standards.

Bringing Applicant's Well #1 into compliance with minimum well construction standards may not satisfy hydraulic connection issues.

#1 0 19

50684

APR 1 3 2000

STATE OF OREGON

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are of

WATER RESOURCES DEPT. SALEM, OREGON

WELLI.D. # L 40696 START CARD # // 4/4/

instructions for completing this report are on the last page of this form.		
(1) OWNER: Well Number	(9) LOCATION OF WELL by legal descrip	tion:
Name GRES BINGAMAN	County UNION Latitude	Longitude
Address 64088 MC DONALD LANE		8 E E OF WM.
City LAGRANGE State OR Zip 97850	Section / 2 5 E 1/4 5	
(2) TYPE OF WORK	Tax Lot 230 / Lot Block	Subdivision
New Well Deepening Alteration (repair/recondition) Abandonment	Street Address of Well (or nearest address) 64	088 McDONID LANE
(3) DRILL METHOD:		
Rotary Air Rotary Mud Cable Auger	(10) STATIC WATER LEVEL:	
Other AIR REVERSE	Flowing ft. below land surface.	Date 7-30-98
(4) PROPOSED USE:	Artesian pressure / 2 lb. per square i	Date 7-30-98 nch. Date 3-4-2000
Domestic ☐ Community ☐ Industrial ☑ Irrigation	(11) WATER BEARING ZONES:	
☐ Thermal ☐ Injection ☐ Livestock ☐ Other		
(5) BORE HOLE CONSTRUCTION:	Depth at which water was first found 153	
Special Construction approval Yes No Depth of Completed Well 3/38 ft.		
Explosives used Yes No Type Amount	From To	Estimated Flow Rate SWL
HOLE SEAL	134 171	100 22
Diameter From To Material From To Sacks or pounds	328 334	
23" 0 450 coment 0 197 2255K	4.34 4.39	
19" 450 1873 Carnet 1779 1879 130 5K	542 544	
	768 1774	
	(12) WELL LOG:	
How was seal placed: Method A B C D E	Ground Elevation	
Other		
Backfill placed from ft. to ft. Material 54 40	Material	From To SWL
Gravel placed from 197 ft. to/779 ft. Size of gravel 3/8	TOPSOIL	0 1
(6) CASING/LINER:	Andly clay TAN	1 108 22
Diameter From To Gauge Steel Plastic Welded Threaded	day from SOFT	108 112
Casing: 18" # 8 325 0 0 0	chig gray SOFT	112 /37
16" 8 430 375	clay green of sond	137 141
14" 430 1873325	chy gray	141 142
	clog gray & Instante 1/30/2	142 147
	clay gray + And Ane coment	147 153
8 5/8 3417 3138 150 0 0 0	Smoletone + send course Vy	153 154
Final location of shoe(s) No	grand V4-1" + and	154 171 Water
(7) PERFORATIONS/SCREENS:	elog grow SOFT	171 182
Perforations Method FACTORY	clay Brown + gray	182 188
Stote Slot Slot Slot Slot Slot Slot Slot Slot	And & soudstone grant day	188 202
From To size Number Diameter size Casing Liner	sonditione Block	202 205
1778 1952 230 7900 10.750 250	chy gray + green 50FT sond	205 209
33538479 350 340010,750 -250	duglione gros	809 9/4
2417 2457 3/4 640 864 250 0	day Brown + Lord course	2/4 2/9
25812687 3/6/600 8 1/8 .250 0	Con TAN - SOFT	2/9 223
2697 2767 3/61/20858 250 0	Clay + song - green	223 237
(A) MIDI I TROCTOC MALL AND A LANGE AND A	Cag IAN-SOFI	25/ 29/
(8) WELL TESTS: Minimum testing time is 1 hour	Date started 6-29-/998 Complet	The same of the sa
Flowing Flowing	(unbonded) Water Well Constructor Certification	
□Pump □Bailer ☑Air PUNP ☑Artesian	I certify that the work I performed on the constru of this well is in compliance with Oregon water sup	
Yield gal/min Drawdown Drill stem at Time 1700 36 10.250-180 7 h/24m.	Materials used and information reported above are to	
1700 SG 10.35 100 1700m.	and belief.	WWC Number
GPA350 ARTESIAN	Signed	WWC Number
Temperature of water 101. Depth Artesian Flow Found 19/6	(bonded) Water Well Constructor Certification:	Date
Was a water analysis done? //O - Yes By whom	I accept responsibility for the construction, altera	tion or shandonment work
Did any strata contain water not suitable for intended use? No Teo little	performed on this well during the construction dates	reported above. All work
Salty Muddy Odor Colored Other	performed during this time is in compliance with Or construction standards. This report is true to the best	
Depth of strata: AFTESIAN 12 Pounds	4//	WWC Number 1299
MILE TIME TO THE	Signed (a) or (b) a Long	Data 2-90-900

#2019

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 page of this formSALEM, OREGON

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

(1) OWNER: Well Number	(9) LOCATION OF WELL by legal descrip	tion:
Name	County Latitude	
Address	Township N or S Range	E or W. WM.
City State Zip	Section1/4	1/4
(2) TYPE OF WORK		Subdivision
New Well Deepening Alteration (repair/recondition) Abandonment (3) DRILL METHOD:	Street Address of Well (or nearest address)	
Rotary Air Rotary Mud Cable Auger	(10) STATIC WATER LEVEL:	
Other	ft. below land surface.	Date
(4) PROPOSED USE:	Artesian pressure lb. per square in	
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 Well ft.		
Explosives used Yes No Type Amount	From To	Estimated Flow Rate SWL
HOLE SEAL	797 800	
Diameter From 2472 Material From To Sacks or pounds	862 867	
1274 1872 2472	1001 1003	
978 2472 3138	1056 1058	
	1062 1067)
	(12) WELL LOG:	
How was seal placed: Method A B C D E	Ground Elevation	
Other		
Backfill placed from ft. to ft. Material	Material	From To SWL
Gravel placed from ft. to ft. Size of gravel	chang green + gray dry	241 254
(6) CASING/LINER:	day gray SOFT	234 265
Diameter From To Gauge Steel Plastic Welded Threaded	clad gives + grans Ame de H	343 336
Casing:	chap groy + gran sine dry	320 325 325 324 With
	day grant gray - HArd	395 334 Water
Liner:	class change	410 43/
	aroul soul & land course	436 439 weter
Final location of shoe(s) NO	day gram 50FT	439 463
(7) PERFORATIONS/SCREENS:		463 481
Perforations Method	My gray SOFT	481 487
Screens Type 333 Material STEEL	day & sund green SOFT	487 598
Slot Tele/pipe	clay Around SOFT	528 542
98/73138 5/4 5/20 83/8 930 Casing Liner	sond gream FINE	542 544 water
	chy groggrum SOFT	X44 576
	cludy gerein Landy SOFT	576615
	Rock	615 616
	chang gray & gran SOFT	4/6 7/2
	day Brown + sindly 50FT	7/2 725
(8) WELL TESTS: Minimum testing time is 1 hour	Date started Complete	
Flowing	(unbonded) Water Well Constructor Certification	
Pump Bailer Air Artesian	I certify that the work I performed on the construction of this well is in compliance with Oregon water supp	ction, alteration, or abandonment
Yield gal/min Drawdown Drill stem at Time	Materials used and information reported above are tr	ue to the best of my knowledge
1 hr.	and belief.	NAVC North or
	1	WWC Number
Temperature of water Depth Artesian Flow Found	Signed (bonded) Water Well Constructor Certification:	Date
Was a water analysis done? Yes By whom	I accept responsibility for the construction, alterat	tion or shandonment work
Did any strata contain water not suitable for intended use? Too little	performed on this well during the construction dates	reported above. All work
Salty Muddy Odor Colored Other	performed during this time is in compliance with Orc construction standards. This report is true to the best	egon water supply well
Depth of strata:		WWC Number 13 99
	Simula alla James	Date 1

#3 419

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APR 13 2000

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)	
Instructions for completing this report are on the last need of this form	

WATER RESOURCES DEPT WELL I.D. # L. 40696
SALEM, OREGON START CARD # //4/4/

(1) OW	NER:				V	Vell Nur	nber		(9) LOCATION OF V	VELL by legal descr	ription:		
Name										Latitude		gitude	
Address									Township	N or S Range_		E or	W. WM.
City				Stat	ie		Zip		Section	1/4		1/4	
(2) TYP									Tax LotL	otBlock	Su	bdivision	
(3) DRII				ration (repair/	recondit	ion) 🗌 Aba	andonment	Street Address of Well	(or nearest address)			
Rotary	Air	Rota	ry Mud [Cabl	le	Aug	er		(10) STATIC WATER	LEVEL:			
Other						_ `				w land surface.	1	ate	
(4) PRO	POSE	D USE	:						Artesian pressure	lb. per squar		ate	
Domes Domes	tic	Com	munity [Indu	strial		rrigation		(11) WATER BEARI				
Therm		Injec		Live			Other						
			NSTRUC						Depth at which water was	first found			
Special Co	onstruct	ion appr	oval TYe	s 🗌 No	Depti	h of Cor	mpleted Wel	lift.					
		Yes Yes	☐ No Ty	ре		A	mount		From	То	Estimated	Flow Rate	SWL
H	OLE			S	EAL				1091	1093			
Diameter	From	Te .	Mater	ial	From	То	Sacks or	pounds	1222	1226			
	_								1477	1479			
	_								1540	1542			
	-			-		_			1620	623			
	L	لــا							(12) WELL LOG:				
How was	-	æd:	Method			В]c 🗀	D □E	Ground	Elevation			
Othe	r				•								
			ft. to_			Mater			Material		From	То	SWL
Gravel pla			ft. to		ft.	Size o	f gravel		chy Brown in		725	729	
, ,				_					Clay TAN SOF	TEDRY	729	731	
	iameter	Free	m 10	Gauge	Steel	Plastic		Threaded	clay ton + 9		73/	732	
Casing:		+	+	$\overline{}$	\vdash	\vdash			day grun s		732	739	
		+	+						grovel of clay		739	740	
_		+	+						clay Brown		740	768	
Liner:		+-	+	\neg					and + grond.		768	774	Water
		+	\dashv		H	H			grand 18-	117	774	777	1+
Final locat	ion of s	hoe(s)							day Brown	SALT	800	800	white
description of the same of the			SCREEN	IS:					clas TAN S		827	832	
	orations		Method							rem SOFT		849	
Scre			уре		-	Ma	terial		day green 1		849		
From	To	Slot				Tele/pi	De		soul course		127 a	867	(1.5
riom	10	size	Number	Diam	eter	size	Casing	Liner	clas great q		8/5	99	was
							— H		clay tont.		898	900	
							_ H		clea ared to	undetine	900	9/0	
									smalle class	- gran	918	912	
									day gray of 1	roma Hath - 13	992	9/2	
-									soul + day gra	n + grand soul	969	97/	
(8) WEL	L TES	TS: M	inimum t	esting	time i	s 1 hou	ır		Date started	Compl	eted		
							Flo	wing	(unbonded) Water Well C	The state of the s			
Pum	P	B	ailer		Air			esian	I certify that the work I	performed on the const	nuction altera	tion, or aba	ndonment
Yield ga	Vmin	Dra	wdows	Di	riil sten	n at		Time	of this well is in compliance Materials used and informs	e with Oregon water su	poly well con	struction et	andarde
								1 hr.	and belief.	uton reported above are	true to the be	st of my kn	owledge
											WWC Num	ber _	
<u>:</u>									Signed			ate	
Temperatur						n Flow I	Found		(bonded) Water Well Con	structor Certification			
Was a water				es By					I accept responsibility for	or the construction, alter	ration, or abar	donment w	vork
			er not suitab			i use?	Too 1	ittle	performed on this well duri performed during this time	ng the construction data is in compliance with (es reported ab Pregon water:	ove. All w	ork
	_	dy 🗌	Odor	Colorec	ı 🗆	Other			construction standards. The	s report is true to the b	est of my kno	wledge and	belief.
Depth of st	rata:								\ \ \ <i>\(\(\(\(\(\)\\\\\\\\\\\\\\\\\\\\\</i>		WWC Num	-	
									Signed Walke	Jome		Date	

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

WELL I.D. # L. 40 69 60 START CARD # 114141

Instruc	tions fo	r compl	leting this	report a	are on t	he last	PARWATER	BESO	URCES DEPT		
-							SA	LEM, (PEGONATION OF V	VELL by legal deep	rintion:
	EK:				W	eli Num	iber		County	I stitude	Longitude
Name											
Address											
City				Stat	e		Zıp		Section	1/4	1/4
				ration (repair/re	conditi	on) Aband	onment	Street Address of Well	(or nearest address) _	
						_			(A) (M) (M) (M)	· Alim	
Rotary	Air	Rota	ry Mud	Cabl	e	Auge	er		, ,		
Other		44.00									
(4) PRO	POSE	D USE	:								re inch. Date
Domes	tic	Com	nmunity	Indu	strial		rrigation		(11) WATER BEARI	NG ZONES:	
							Other				
										first found	
Special Co	onstruct	ion appr	roval 🗌 Ye	s No	Depth	of Cor	npleted Well_	ft.			
Explosive	s used	Yes	No T	уре		Aı	mount		From	To	Estimated Flow Rate SWL
H	IOLE			S	EAL				1915	<u> 1918 </u>	
Diameter	From	To	Mate	rial	From	To	Sacks or por	ends	2412	2417	25 gom 2
									2722	2730	" 5
									T2 839		
	1										31 0
									(12) WELL LOC-		
How was	scal nia	ced:	Method	ПА		ВГ	¬c □D	ПЕ	(,	Elevation	
_	-							_	l Ground	Lacranion	
					ft.	Mater	ial		Materia	4	From To SWL
									clay grean	SOFT	971 973
-	State Zip State Zip Socion 1/4										
.,				G	C41	Direction	Walded 7	Chanadad			
ı	Mameter	FTG	Hm 10	Gauge	_	_				aheen	
Casing:		+			1 —						
		+		-							
_		-			1						
_		+	_						100		
Liner:				-							
				_							
(7) PER	FORA	TION	S/SCREE	NS:						OFT	
Per	foration	18	Method _								
Sa	reens		Туре								
From	To			er Dia	meter			Liner			
110111		3.2	1.10						arlowed 18-		19861088 Water
									class green	SOFTHWA	04 1038 1062
								$\overline{\Box}$	growle 1/8-	1/2	1062 1067 water
								\Box	dog green		1067 1079
		_		\top			— H	ī	Land cours	_	1079 1081
									deg gray-	gran	10811091
(8) WF	LLTE	STS: 1	Minimum	testin	g time	is 1 ho	ur		Date started	Con	npleted
(0) (12)		1			9						
☐ D	men		Railer	г	Air				I certify that the work	I performed on the co	nstruction, alteration, or abandonment
		_		_	_		_		of this well is in complia	nce with Oregon water	supply well construction standards.
Tield	Eav mia	T -	AWGOWA		DI BI BIC					nation reported above	are true to the best of my knowledge
		+		+				. 14.	and collect.		WWC Number
		+		+			_		Signed		
Tarrest				Do-et	h A ====!	en Eler	Found			onstructor Certificati	
-							round				
		•			•		□ T "		performed on this well d	uring the construction	dates reported above. All work
								nie	performed during this tim	ne is in compliance wit	th Oregon water supply well
	_	ıddy [_]Odor [Color	red [Other			construction standards.	ine report is true to th	
Depth of	strata:								(a) - (a) - (b)	1 Lans	
									I Signed /// A LAC	W AT WY	Date

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

START CARD # 1/4/4/

(1) OWN	VER:			•	Vell Nun	nber		(9) LOCATION OF V	VELL by legal desc	cription:	
Name								County	Latitude	Longitude	
Address								Township	N or S Range	E or	W. WM.
City				State		Zip		Section			
(2) TYP	E OF V	VORK						Tax LotL	otBlock_	Subdivision	
				tion (repair	reconditi	ion) 🔲 Aban	donment	Street Address of Well	(or nearest address) _		
(3) DRII				10.51.				(10) STATIC WATER	TEVEL.		
Rotary	Alf	Kota	ry Mud	Cable	Aug	er				D.4.	
Other (4) PRO	DOCE	LICE							w land surface.	Date	
				1 Turaka sakala 1		rrigation		Artesian pressure (11) WATER BEARI	lb. per squa	are inch. Date	
Domes Therm		∐ Injec	munity [Livestock		Other		(II) WAIER DEARL	NG ZONES.		
Principal Control			NSTRUC'I			Juici		Depth at which water was	first found		
` '					th of Cor	mpleted Well	ft.	Dopul at willow water was			
						mount		From	То	Estimated Flow Rate	SWL
	IOLE			SEAL							
Diameter		To	Materia		To	Sacks or p	ounds				
				1							
								(12) WELL LOG:			
How was	scal pla	ced:	Method	_A []B [□E	· · · ·	Elevation		
Othe	r								· · · · · · · · · · · · · · · · · · ·		
Backfill p	laced fro	om	ft. to	ft.	Mater	ial		Materia		From To	SWL
Gravel pla		-	ft. to_	ft.	Size o	of gravel		sand cours		1091 1093	water
(6) CAS	ING/L	INER	3					chan green 1.		693 1/18	
Ľ	iameter	Fre	m To G	auge Steel	Plastic	Welded	Threaded		Hord	1/18 /194	<u>'</u>
Casing:_		+						1	geen	1/26/1/31	
		+-		\Box				clay grun	25-1	1/3/ 1/46	1
_		+-		-				dog grong	Hard	1/46/199	\vdash
_		+	+					clay Bran +		1150 1100	-
Liner:		+-						day light gr		11921178	
								day tan SOFTA.		1999 199	Water
Final loca			SCREEN	C.	-			And course		14 9 / 19 9 9	wares
								day tim So		14 4 6 19 41 5	
	foration		Method			aterial		de stone		19 45 19 71	,
Scr	ccus	Slo	Type		Tele/pi	lpe		- A	cent dogle	me 12541958	
From	To	size	Number	Diameter	stre	Casing	Liner	clog Brown's			\vdash
		+			+	_		da gram S		126/1273	
					_		님	don grou	SOFT	12 3219 99	
					_			sand course	gran	1299 1292	
						— H		dog green	4	12931295	1
								dag Block	Hord	1295 1291	
(8) WEI	LTES	STS: M	Linimum te	sting time	is 1 ho	ur		Date started	Com	apleted	
						Flor	wing	(unbonded) Water Well	Constructor Certifica	ation:	
Pur	mp		Bailer	Air 🗌		Arte				nstruction, alteration, or al	
Yield ;	al/min_	Dr	awdown	Drill st	em at		Time			supply well construction are true to the best of my i	
			****				1 hr.	and belief.			-04
										WWC Number	
		L						Signed		Date	
Temperat	ure of w	ater		Depth Artes		Found		(bonded) Water Well Co			
Was a wa		100		es By who						Iteration, or abandonment	
_			ter not suitab			Too l	ittle	performed during this tim	e is in compliance with	dates reported above. All h Oregon water supply we	:11
	_	ddy [Odor 🔲	Colored	Other			construction standards.	his report is true to the	e best of my knowledge ar	d belief.
Depth of	strata:							[13 12.0	WWC Number	
								Signed Wark	10000	Date	

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STATE OF OREGON APR 13 2000

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D. # L.	10	696
START CARD #	, ,	

(as required by Instructions f	or compl	7.765) eting this re	eport a	are on t	he las	WATER R	SOUR M, OR	CES DEPT. START CARD # 114/4/
(1) OWNER:						nber		(9) LOCATION OF WELL by legal description:
Name								CountyLatitudeLongitude
Address								Township N or S Range E or W. WM.
City			State	e		Zip		Section 1/4 1/4
(2) TYPE OF	WORK							Tax Lot Block Subdivision
New Well			ation (r	repair/r	econdit	ion) 🗌 Aban	donment	Street Address of Well (or nearest address)
(3) DRILL MI			70-11	ı_ ((10) STATIC WATER LEVEL:
Rotary Air	∐ Kotar	у миа _	Cabic		Aug	er		
Other	D LICE.			-				ft. below land surface. Date Artesian pressure lb. per square inch. Date
		munity [71-4-	ادنسده		rrigation		Artesian pressurelb. per square inchltllb. per square inchlblblb
Domestic Thermal	☐ Inject		Live			Other		(11) WATER BEARING ZONES.
(5) BORE HO			_			Julici		Depth at which water was first found
Special Construc					of Co	moleted Well	6	
Explosives used								From To Estimated Flow Rate SWL
HOLE	LITES	☐ No Typ		EAL	^			From 10 Estimated Flow Rate SWL
Diameter From	То	Mata		From	То	Seaba	mud-	
	1 1	Materi	- 1	From	1.0	Sacks or po	mus	
	+ +		-					
	+ +		\dashv					
	+		\rightarrow					
How was seal pla	aced:	Method			ВГ	D	ПЕ	(12) WELL LOG: Ground Elevation
Other								Citolic Esevation
	rom	ft. to		ft.	Mater	ial		Material From To SWL
				ft.	Size o	of gravel		dos gray SOFT 1898 1323
-								sont coarse 13231385
Diamete	r Fron	n To (Gauge	Steel	Plasti	Welded	Threaded	day green of daystine 1325/1343
Casing:						П		Sond FINE today gram 12431345
Casuig.				Ħ				day green Hard 1345/375
	_			_				sand warre 1/378
			\neg	_				clog grun + daystone 13781,390
Liner:			\neg		_			
	-		\neg	П	\Box	_		
Final location of	shoe(s)							clay green sound + clay Red 1403 1405
		SCREEN	S:					
Screens	_	_						
	Slot		- Di		Tele/p	l pe		
From To	stze	Number	Dian	neter	Stze	Casing	Limer	clas Amble + SOFT 1439 1441
						— H	H	And course + clas green 144/ 1444
			\top			— H	Ξ	clay grum + Brown SOFT 14441447
							H	clay gray + grun ray SOFT 1447 1451
								dos groy grun SOFT 14531455
(8) WELL TE	STS: M	linimum t	esting	time	is 1 ho	ur		Date started Completed
							vine	(unbonded) Water Well Constructor Certification:
Pump	□в	Bailer		Air		Flow Arte		I certify that the work I performed on the construction, alteration, or abandonmen
Yield gal/min		awdown	_	orill ster	m at		l'ime	of this well is in compliance with Oregon water supply well construction standards.
							1 hr.	Materials used and information reported above are true to the best of my knowledge and belief.
								WWC Number
:								SignedDate
Temperature of v	water		Depth	Artesia	n Flow	Found		(bonded) Water Well Constructor Certification:
Was a water ana	lysis done	?	Yes By	y whom	·			I accept responsibility for the construction, alteration, or abandonment work
Did any strata co	ntain wat	er not suital	ole for	intende	d use?	Too li	ttle	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 M	uddy [Odor 🔲	Colore	ed [Other			construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:								WWC Number
								Signed () all the same Date

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APR 13 2000

#70019

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 the result of the last page o

START CARD # // 6/

(1) OW	NER:			,	Vell Nu	mber		(9) LOCATION OF V		-	
Name										Longitude	
Address										E or W.	WM.
City				State		Zip		Section	1/4_	1/4	
(2) TYF								Tax LotL	otBlock_	Subdivision	
ONew 1			ing Altera	tion (repair	recondit	ion) Abar	ndonment	Street Address of Well	(or nearest address)		
			ary Mud	Cable	Aug	er		(10) STATIC WATER	LEVEL:		
Other			,						w land surface.	Date	
(4) PR(D USE):	i indira.			***************************************	Artesian pressure			
Dome				Industrial	П	Irrigation		(11) WATER BEARI			
Thern		Inje		Livestock		Other		, ,			
			DNSTRUCT					Depth at which water was	first found		
			roval Yes		th of Co	mpleted Well	ft.	•			
			□No Typ					From	То	Estimated Flow Rate	SWL
	HOLE			SEAL							
Diameter	From	To	Materia	al From	To	Sacks or p	ounds				
								(12) WELL LOG:			
How was	seal pla	ced:	Method]B []C []I	ОВ	` '	Elevation		
_	er				- '			- Civali	Divimion		
Backfill			ft. to	ft.	Mate	rial		Materia	1	From To	SWL
Gravel p	-		ft. to			of gravel		clay green	SOFT	1435 1461	
(6) CA								clay green +	clayetome Ho	214611463	
	Diameter			Sauge Steel	Plasti	c Welded	Threaded			T14431476	
		1	1 1							ew4761477	
Casing:_		_			ă		ä	Sand course &		1477 1479	Water
-		_			H	ä	H	day green		14791496	
-					H	H			oft & claysto		
Liner:							H	Park & son		1498	
		_		ᅱ片		H	H	class gray	SOFT	1498 1314	
Final loc	ation of	shoe(s)						day green 501			
			S/SCREEN	S:				clay grun		1518 1340	
, ,	rforation		Method					soud com		13401349	41-1-
Sc			Туре		М	aterial		day great		1542 1547	Value
		Slo	ot	DI .	Tele/p	ipe		clas Tree	SOFT	15471563	
From	To	siz	e Number	Diameter	size	Casing	Liner	clay green 50F			
					_	— H	ĭ	class green 5		1567 1579	
					_	— H		day areen &	hale gram Do	14/5/9/589	
					1	— H	ä	clay areen so	FT and cour	415821591	
					\top	— H	ă	Sand contra	aren	15911594	
								ches arem	SOFT	15941609	
(8) WE	LLTE	STS: N	Minimum te	esting time	is 1 ho	our		Date started	Com	pleted	
(0)								(unbonded) Water Well			
∏Pu	mo		Bailer	Air			wing esian			struction, alteration, or aban	donment
_	gal/min		rawdowa	Drill s	em at		Time	of this well is in complian	ce with Oregon water	supply well construction sta	ndards.
		T					1 hr.	and belief.	nation reported above a	are true to the best of my kno	wiedge
										WWC Number	
	:	1						Signed		Date	
Tempera	ture of v	vater		Depth Artes	ian Flow	Found		(bonded) Water Well Co	estructor Certification		
-	ater anal			es By who						teration, or abandonment w	ork
		•	ater not suitab	•		☐ Too	little	performed on this well du	ring the construction d	lates reported above. All wo	
			Odor							h Oregon water supply well best of my knowledge and	belief
Depth of	_	, L							1//	WWC Number	
								Signed (a) all	Vo From	Date	

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APR 1 3 2000

#80c/9

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 mile form.

WELL I.D. # L 40494 START CARD # / 1414

(1) OW	NER:			W	ell Num	ber		(9) LOCATION OF WELL by legal description:	
Name								CountyLatitudeLongitude	
Address								Township N or S Range E or W.	WM.
City				State		Zip		Section1/41/4	
(2) TYP								Tax LotLot Block Subdivision	
ONew V				tion (repair/r	econditi	on) Abandonm	nent	Street Address of Well (or nearest address)	·
. ,			ry Mud	Cable	Auge	er .		(10) STATIC WATER LEVEL:	
Other			,	,				ft. below land surface. Date	
(4) PRO	POSE	D USE		****				Artesian pressure lb. per square inch. Date	
Dome		_	munity [Industrial		rigation		(11) WATER BEARING ZONES:	
Therm		☐ Injec	tion [Livestock	_	Other		, , , ,	
(5) BO	RE HO	LE CO	NSTRUC	TION:				Depth at which water was first found	
Special C	onstruct	ion appr	oval [Yes	No Depti	n of Con	npleted Well	ft.		
Explosive	es used	Yes	☐ No Typ	e	Ar	nount		From To Estimated Flow Rate	SWL
	HOLE			SEAL					
Diameter	From	To	Materia	l From	To	Sacks or pounds	•	انان	
							_		+
	-						_		
II.			Materia		پِــاِ	70		(12) WELL LOG:	
How was	•	cea:	Method	_A _	В]c	_]E	Ground Elevation	
☐ Oth Backfill p	er		ft. to	ft.	Materi	-1		Name of the last o	
Gravel pl			ft. to	ft.				day gran + and course 1609/620	SWL
(6) CAS		-	Affective	16-	Size of	gravel		send course + granel 1/2 - 9/8 /620 /623 4	17.0
	Diameter	From		auge Steel	Plastic	Welded Three	adad .	doy green SOFT /623/627	acer
Casing:_							_	sond course green + day green 1627 1629	
Casurg		_		一一	H		_	sond coarse + grand 12-3/ 1629 1632	
_					H		_	clay + soul grum 1/32 1/36	$\overline{}$
_								Sand course green 1/03/01/28	
Liner:		1			\Box			clay + Stale - green Dark 16.381647	
_		1		٦Ä	\Box	7 7	าี	day group + Block SOFT 1647/1.49	
Final loca	tion of s	hoe(s)					•	Jay green 50/T 1649/1033	
(7) PER	FORA	TIONS	SCREEN	S:				clay gray SOFT 16331637	
Per	foration	. 1	Method					clay grun 1637/660	
Scr	eens		Гуре			terial		clay + State - gruno gray /660/66/	
From	To	Slot , size		Diameter	Tele/pip		mer	clay green SOFT 1/06/1481	
								day greent state greent Red /681/1709	
						🗆		Shale green part & grown 3/4 /709 1713	
-		+				_		clog green Soft o grove 3/4/7/3/7/6	
-	- We	+				_ 0 1		clay green SOFT /7/6/738	
						_ 0 1		day grun Dork 17381740	
(O) IIID							_	Sand course 1740/743	
(8) WEI	LL TES	15: M	linimum te	sting time i	s 1 hou	ır		Date started Completed	
						Flowing		(unbonded) Water Well Constructor Certification:	
Pur	-	_	Bailer	Air		Artesian		I certify that the work I performed on the construction, alteration, or aband of this well is in compliance with Oregon water supply well construction stand	
Yield	zal/min	Dri	awdown	Drill ster	n at	Time		Materials used and information reported above are true to the best of my know	ledge
-						1 hr.	_	and belief.	
						+	—	WWC Number	
Temperat	ure of w	ater		Depth Artesia	n Flow I		_	Signed Date (bonded) Water Well Constructor Certification:	
Was a wa				es By whom					
	•			e for intende		☐ Too little	_	I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work	
_	_			Colored [_	L 100 mile		performed during this time is in compliance with Oregon water supply well construction standards. This peport is true to the best of my knowledge and be	
Depth of	_	٠, ١	, -u-,		Jouloi .		_	WWC Number	ner.
								Signed Water Jowe Date	

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STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

APR 13 2000

START CARD # //4/4/

Instructions for	completing this rep	ort are on ti	ne last pad	MATERIALSOL	JACES DEPT. START CARD # // 77 77
(1) OWNER:			ell Number	SALEM. U	TEGON (9) LOCATION OF WELL by legal description:
Name		***	Ja Manaoci		CountyLatitudeLongitude
Address					Township N or S Range E or W. WM.
City		State		Zip	Section 1/4 1/4
(2) TYPE OF W	ORK				Tax Lot Block Subdivision
	ecpening Altera	tion (repair/re	condition)	Abandonment	Street Address of Well (or nearest address)
(3) DRILL MET	HOD:				
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
	Community		Irriga		(11) WATER BEARING ZONES:
		Livestock	Othe	r	D. d. a. d. d. a.
, ,	E CONSTRUCT				Depth at which water was first found
	on approval Yes				From To Estimated Flow Rate SW
HOLE	Yes No Type	SEAL	Amou		FIOTI 10 Estillated Flow Rate 5 W
Diameter From	To Materia		To S	acks or pounds	
	Materia			or bosons	
					(12) WELL LOG:
How was seal place	ed: Method	_A _	в 🗀 С	□D □E	Ground Elevation
Other					
Backfill placed fro	m ft. to	ft.	Material_		Material From To SWL
Gravel placed from		ft.	Size of gr	avel	eng grag SOFT 1743 1746
(6) CASING/L	INER:				dry Brown SOFT DAY 1744/7.51
Diameter	From To G	auge Steel	_	Welded Threaded	dog 4 Stale Block 1731 1746
Casing:	+ +				cha Brown 50FT /746/771
	+-+-+				clay grun SOFT 1771 1776
					dog grun 30FT 17791781
	+ + +				cha Blom SOFT 17811784
Liner:	+				clog + state Brung's grean 1784
Final location of sl	hoe(e)				SOFT + BARE 1786
	TIONS/SCREEN	S:			day Brown 1786/787
Perforations					day Brown's green SOFT 1787
Screens	Туре		Materi	al	+ Hord 1788
From , To	Slot	Diameter	Tele/pipe	Casing Liner	clay green + SOFT 17881791
10	Size Number	Diameter			day greggeen SOFT 1791 1793
					chy Brown 50FT 17931796
					day gray SOFT 1796/798
					any Brown 50 FT 17981805
					clay group 30F1 + NATE / 805 /808
					7.00
(8) WELL TES	TS: Minimum to	esting time	is 1 bour		Date started Completed
-				Flowing	(unbonded) Water Well Constructor Certification:
Pump	Bailer	☐ Air		Artesian Time	I certify that the work I performed on the construction, alteration, or abandonm of this well is in compliance with Oregon water supply well construction standards
Yield gal/min	Drawdown	Drill ste	mi at	1 hr.	Materials used and information reported above are true to the best of my knowledg and belief.
				1 11.	WWC Number
		 			Signed Date
Temperature of wa	ater	Depth Artesia	n Flow For	und	(bonded) Water Well Constructor Certification:
Was a water analy		es By whom			I accept responsibility for the construction, alteration, or abandonment work
,	tain water not suitab			Too little	performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well
	idy Odor 🗆				construction standards. This report is true to the best of my knowledge and belief.
					WWC Number
-					Signed Walke Jone Date

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#10 x 19

STATE OF OREGON WATER SUPPLY WELL REPORT APR 13 2000

WELLID #1 6	106	96	
WELL I.D. # L	100	111	11

(as required by Instructions for	ORS 537.	765) ting this repor	t are on t	he last	PARWATER	RESO	URCES DEPT. S	START CARD #	19191	
1) OWNER:			w	ell Nun	nber	الالشلباد	(9) LOCATION OF WE	LL by legal descrip	ption:	
Vame		•					County			
Address							Township	N or S Range	E or W.	WM.
City		St	ate		Zip		Section	1/4	1/4	
2) TYPE OF W	OPK	, 0.					Tax LotLot_	Block	Subdivision	
New Well D		Alteration	(renair/n	econdit	ion) Aband	onment	Street Address of Well (or			
3) DRILL ME			(repair)	CONTAI	ion) noun	- CILITOIN	5 moore (01			
Rotary Air [bla	Aug			(10) STATIC WATER L	EVEL:		
	Kotary	Mild LG	Die	LA	,ci		` '	and surface.	Date	
Other	HICE.						Artesian pressure	lb. per square		
		nunity 🔲 In	de atrial		Irrigation		(11) WATER BEARING			
	Commi Injecti		vestock		Other		(11) (111111111111111111111111111111111			
Thermal [5] BORE HO					Ottel		Depth at which water was firs	rt found		
				h of Co	contact Well	6	Deput at which water was the			
Special Constructi	on appro	Val iesi	No Depu	n or Co	impieted well	1	From	To	Estimated Flow Rate	SWL
Explosives used [Yes [No lype		^			Trom	- 10	Distributed 110 W 1000	1
HOLE	_		SEAL	_						+-
Diameter From	To I	Material	From	To	Sacks or po	- 1 01				1
	 		+	-						+
	\longrightarrow		+	-	 					+-
	\vdash		+	-						
							(12) WELL LOG:			
How was seal place	ced:	Method	A _]B [cp	□E	Ground Ele	evation		
Other										CNA
Backfill placed fro	om				rial		Material	и .	From To //808	SWL
Gravel placed from		ft. to	ft.	Size	of gravel	***	clay grang of			
(6) CASING/L	INER:						Black So	FT & Hard	1810	
Diameter	From	To Game	- 1	Plast	ic Welded	Threaded	clay gener	30r/	1810 1811	
Casing:							clay groy		1811 1815	
								om SOFT		
							cly Brown		18171820	
							chy gran De			
Liner:							chay gray SOF			
								Block	1889	
Final location of	shoe(s)						clack Brown S	OFT-Hose	18291838	
(7) PERFORA		SCREENS:					clay gray Br	rown SOFT	18387842	
Perforation		fethod					chy Brown +9	very SOFT	182121832	
Screens		ype			faterial		clay green		18821867	
	Slot			Tele/	pipe		P. HALLE	Marie and the same of the same	1867	3
From To	size	Number D	Hameter	stz	c Casing	Liner	THE PARTY OF THE P	gray	1876	1
	+	+		+	—		could Block	SAFTS	1876	
	+	+			H			Thea Block	1879	
	+	+-+		+			and class are	m SOFT &	1879	
	-	-		+	— 님		1	And Hobek	1889	
					⊔		de Bal Call -	Sanda DI	1889 1892	
(0) 11/11/1	CODE 3	1-1	41	1-11			Date started	Comp		
(8) WELL TES	515: M	unimum test	mg time	12 T D	VUF		Date started Water Well Co		777	
	_					ving	(unbonded) Water Well Co			don-
Pump		ailer	Air		Arte		of this well is in compliance		ruction, alteration, or aban upply well construction sta	
Yield gal/min	Dr	wdown	Drill st	em at		<u> Time</u>	Materials used and informat			
	-				_	1 hr.	and belief.		MANG Nove 1	
							L		WWC Number	
							Signed		Date	
Temperature of w	vater	De	pth Artes	ian Flor	w Found		(bonded) Water Well Cons			
Was a water anal	ysis done	? Yes	By who	m			I accept responsibility for	r the construction, alte	eration, or abandonment w	ork
Did any strata co	ntain wat	er not suitable	for intend	led use	? Too i	ittle	performed on this well during performed during this time is	is in compliance with	Oregon water supply well	
Salty Mu							construction standards. This	s report is true to the t	est of my knowledge and	belief.
Depth of strata:	,	_						/	WWC Number	
							Signed Carr	a some	Date	

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STATE OF OREGON APR 1 3 2000 WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are of

Instructions	for completing this	report are or	the last	DROVATE	RRES	OURCES DEPT.	START CARD #	1/4/41	
(1) OWNER:					MLEM.	Pheadit			
Name			well ivuli	aber		(9) LOCATION OF V	VELL by legal desc	cription:	
Address						County	Labitude	Longitude	
City		State		Zip		Section	N or S Range	E or V	. WM.
(2) TYPE OF	WORK					Section	Rlock	1/4 Subdivision	
New Well	Deepening Alt	eration (repair	/reconditie	on) 🔲 Aban	donment	Street Address of Well	(or nearest address)	Subdivision	
(3) DRILL M	ETHOD:						(**************************************		
	Rotary Mud	Cable	Auge	r		(10) STATIC WATER	LEVEL:		
Other						ft. belo	w land surface.	Date	
(4) PROPOSI			_			Artesian pressure	lb. per squs	are inch. Date	
☐ Domestic ☐ Thermal	Community	_		rigation		(11) WATER BEARIN	NG ZONES:		
Control of the Contro	☐ Injection OLE CONSTRU	Livestock	o	ther					
	tion approval Y		th of Com	mleted Well		Depth at which water was	first found		
Explosives used	Yes No T	vne	An	nount	1	From	т.		
HOLE		SEAL				From	То	Estimated Flow Rate	SWL
Diameter From	To Mate	rial From	To	Sacks or pe	ounds				+
									+-+
									+-+
									+
						(12) WELL LOG:			
	aced: Method	^]B]C 🗆 D	□E	, ,	Elevation		
Other			16. 1						
Gravel placed fro	rom ft. to om ft. to		Materia			Material		From To	SWL
(6) CASING/	-	11.	Size of	gravel		Cha Brown +	inter Block	1892 1894	
Diamete		Gauge Steel	Plastic	Welded	Threaded	day Block +			
Casing:	110			TT .		Chy Blook of	ray green &	7877	
Can ii g				Н		Brown 30 F			
					ä	cha area sor	T But Blow	× 1914 1915	
				ŏ		Barell Blanto	locur skale and	1915 1918	Zaura
Liner:						Brutt Block + cl	me grow SOF	719181900	-towned
						clay gong 30FT	BAUT BLOO	A 1920 1926	
Final location of						Chy Block SOF	7	19961999	
	TIONS/SCREE!					chef Block cin	uder Block	19201931	
Perforation Screens						Beauty Block V	ec. 4 Stale gra	m/93/1934	
	Slot		Mate Tele/pipe			Basel gray Hard	while green	19341937	
From To	size Number	Diameter	size	Casing	Liner	Barett gray + dus		1937/949	
				- 片	님	Con to Ba	WA Block	1792 1734	
				- 1		Road Orego clas	aher + 11.1.0.	1934 1940	
				- 1		Real area clay	gray SOFT	10/2/963	
				- 1	H	clay arm grange	ek Soft &	19/65/19/6	
						Bart Block + A	LL green	1994	
(8) WELL TES	TS: Minimum t	esting time i	s 1 hour		ļ	Date started	Compl	leted	
_				Flowi	ing	(unbonded) Water Well Co			
Pump	Bailer	☐ Air		Artes		I certify that the work I p	erformed on the const	ruction, alteration, or abanc	lonment
Yield gal/min	Drawdown	Drill sten	n at	Ti	me	of this well is in compliance Materials used and informati	With I kegon water as	tools well construction at	44-
				1	hr.	and belief.		and to the best of my know	wiedge
-				-				WWC Number	
Temperature of w	ater	Denth Arterio	Flow P-	und.		Signed		Date	
Was a water analy		Depth Artesian Yes By whom		una		(bonded) Water Well Cons			
	tain water not suital			☐ Too litt		periormed on this well durin	g the construction date	ration, or abandonment wor	k
	ldy Odor 🗌			100 IAU	~	periorined during this time is	s m compliance with (Terron Water aumaly wall	
Depth of strata:						construction standards. This	report is true to the b		
						Signed Wald	a downe	WWC Number 139	7

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Unio 50684

APR 1 3 2000

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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 page SALEM DREGON

(1) OWN	ER:			W	ell Nun	nber		(9) LOCATION OF				
Name								County	Latitude	Longitude		
Address									N or S Range		or W.	WM.
City				State		Zip			1/4_			
(2) TYP I									Lot Block _			
New ₩ (3) DRII		-	- based	tion (repair/r	econditi	ion) Aband	onment	Street Address of We	ll (or nearest address)			
Rotary			ry Mud	Cable	Aug	er		(10) STATIC WATE	R LEVEL:			
Other	Au		L 11100	Cable		OI .			low land surface.	Date		
(4) PRO	POSEI	USE	•	an manufic				Artesian pressure	lb. per squ			
Domes			munity [Industrial		rrigation		(11) WATER BEAR				
Therma		☐ Injec	_	Livestock		Other		(,				
			NSTRUC'I					Depth at which water wa	s first found			
					n of Con	mpleted Well	ft.					
						mount		From	To	Estimated Flow	Rate	SWL
	OLE			SEAL								
Diameter	From	To	Materia	l From	To	Sacks or por	unds					
								(12) WELL LOG:				
How was	scal plac	ced:	Method	_A _	В [_C _D	□E		d Elevation			
☐ Othe	x											
		om	ft. to	ft.	Mater	ial		Mater		From T		SWL
Gravel pla	ced from	m	ft. to	ft.	Size o	of gravel		Basett grag +				
(6) CAS	ING/L	INER	:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				clay geny SOI				
D	iameter	Fre	m To G	auge Steel	Plasti	c Welded 7	Threaded	Baset gring d				
Casing:								circles Red + A				
_								Baset Block			104	
_								Baset going			29	
_								Basett Block			18	
Liner: _								Basel Block V			-	
_				🗆					on of Rink So		33	
Final loca									ek " "		_	
			S/SCREEN						+ Wale green		64	
Per	foration	8	Method						+ gray + shed		-	
Scr	eens	Slo	Туре		Ma Tele/p	aterial			(+ group + clay			
From	To	size		Diameter	size		Liner		SOFT	15 40 100	18	
		+			-				K+ glate Ral B			
		+			-	_		Barry Berk +	state gran chy	11227123	70	
-		+			+		\Box	D HOLE	m Isaur Dig	24 7/12	70	
		+			-	_		Dank Street	I at Oracle SA	ET 00 70	7 7	
						⊔		Laure Area	arem	2279	202	
(0) TUE	TTE	TC.	Minimum te	etine 4!	i. 1 b.			Date started	7——		~ (
(0) WEI	LIE	15: 1	MINIMUM LC	sting time	18 1 110	our		(unbonded) Water Wei		npleted		
			Dailer	C Air		Flow		,	k I performed on the co		or abon	donment
Pur	•		Bailer rawdown	Air		Arte	ime	of this well is in complia	ance with Oregon water	supply well construc	tion sta	ndards.
I leid j	al/min	T D	AMBOME	Drill ste			l hr.	Materials used and info				
		_		-			I III.	and being.		WWC Number		
		1						Signed		Date		
Temperat	ure of	oter	1	Depth Artesia	an Flow	Found		(bonded) Water Well (onstructor Certificati			
Temperati Was a wa				es By whon		1 Outlo		(000000)	y for the construction, a		ment w	ork
			ter not suitab			☐ Too lit	ttle	performed on this well	turing the construction	dates reported above.	All wo	
•			Odor []					performed during this ti construction standards.				helief
Depth of	_	-u, [] 2000 []	Colored [)		WWC Number	-	oonor.
Dopus Of								Signed Wal	de Jesus	Date		

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APR 13 2000

#13 ×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 pages the property of the page of the property of the page of the START CARD # _

(1) OWN	ER:			W	eli Nun	nber		(9) LOCATION OF	WELL by legal desc	ription:	
Name								County	Latitude	Longitude	
Address								Township	N or S Range_	E or	W. WM.
City				State		Zip		Section	1/4_	1/4	
(2) TYPE	OFV	VORK						Tax LotI	.ot Block_	Subdivision	
				tion (repair/r	econditi	on) Aband	onment	Street Address of Wel	ll (or nearest address)		
, ,				Cable	□ Aug	er.		(10) STATIC WATE	R LEVEL:		
			- y 1.144	Cabio						Date	
	POSEI	USE	:								
		_		Industrial		rrigation				Date: Date	
_		_	, _		_	•		,			
(5) BOR	E HO	LE CO						Depth at which water wa	s first found		
Special Co	nstructi	on appr	oval Yes	No Depti	n of Con	npleted Well	ft.				
								From	То	Estimated Flow Ra	e SWL
				SEAL							
Diameter	From	To	Materia	l From	To	Sacks or por	unds				
								(12) WELL LOG:			
_	-	æd:	Method	_A _	В]C 🗆 D	□E	Ground	d Elevation		
										T - T -	
-											
		-		n.	Size o	f gravel					
` '											
	ameter	Fre	m To G	1 —							
Casing:		+	+		_						+
-		+-	+							h397 2334	+
_		+	+							25.54 2.53	
I iner:		+	+							1 92/0 92/	4
		+	+			Η					
Final locati	ion of s	hoe(s)								927/9270	>
			SCREEN	S:						0379978	2
										9383 439	,
			_			terial		cinles growt R	I stale grang		1
From	To	Slot	1	Diameter		pe Casina	I ber				
110				Diameter	-						
								Baut Block Va	a cinder Red	2418	Flourng
						_ □		Styr	le grun	24/2	25GPM
		1				_ □		Basel Block M	ele gram + chy go	2417 242	5
						🗆		clay groy+Block	+ Basel Block	2485 248	7
								clay green + gra	3 SOFT	2427 242	81
(8) WEL	L TES	TS: N	Linimum te	sting time	is 1 ho	ur		Date started	Com	pleted	
		_		_		Flow	ing				
	•			Air Air				I certify that the work	I performed on the cons	struction, alteration, or a	bandonment
Yield ga	Vmia	Dr	awdowa	Drill ste	m at			Materials used and inform			
District Description Des											
Tomores				Danib Antoni	- 171	Found					
				-		round					
			_	•		☐ Too lit	tle	performed on this well de	uring the construction di	ates reported above. All	work
		_			_			performed during this tin	ne is in compliance with	Oregon water supply w	eli
Depth of st	_	, _	1000 []	_				Consulucion standards.	/// is the to the	WWC Number	nu benet.
2-17-11-01-01								Signed Wal	de dome	Date	

UNIO 50684

APR 13 2000

#1400/9

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 pasal EM to REGON

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

(1) OWN	ER:				We	ii Num	ber			F WELL by legal descri			
Vame									County	Latitude Non S. Renne	Long	E as W	WA4
Address									Township	N or S Range			WM.
City		105-		State			Zip		Section_	1/4	0	1/4	
(2) TYPI							\ \ \.			_Lot Block			
				tion (rep	pair/re	conditi	on) Aband	onment	Street Address of V	Well (or nearest address)			
			· ry Mud [Cable	Г	Auge	er		(10) STATIC WAT	ER LEVEL:			
☐ Cother	vm [,uu _	Jeanie	L	g(-			below land surface.	D	ate	
(4) PRO	POSET	LISE							Artesian pressure			ate	
Domes			munity [Industr	rial		rrigation		(11) WATER BEA				
Therma		Injec	_	Livesto		=	Other		(,				
			NSTRUCT						Depth at which water	was first found			
						of Con	npleted Well	ft.					
							mount		From	То	Estimated	Flow Rate	SWL
_	IOLE			SEA									
Diameter		To	Materia		rom	To	Sacks or por	unds					
Distinut				I									
					\neg								
	+			\neg									
					_				(12) WELL LOG:			,	
How was	seal nlad	ed:	Method			ВГ	C D	ПЕ		and Elevation			
	er			٠٠.	٠.				3.0				
Backfill p		nm .	ft. to	f	ft.	Mater	ial			terial	From	То	SWL
Gravel pla			— ft. to		ft.		f gravel		class TAN	SOFT	2428	2451	
(6) CAS						-	- 8		den gren	+ gray + Dry-HA	rd 2451		
` '	Diameter			Gauge St	teel	Plastic	: Welded 1	Threaded	dad grunts	2roy + But Block	re 2454	8456	
		100	m 10 (٠١.	_				day TAN		245%	9457	
Casing:		+-	+-+			님				Bault Block Ve	c. 2457	2461	
_		+-	+							som SEFT	9461	24/4	
_		+	-+					H		ec, Shele gram		2472	
		+-	\rightarrow							rec. deg grung		2509	
Liner:		+-	-++			님				by tan able gren		23/1	
										lay Brown Red Sh		2011	
Final loca			Vecanes	10.					ander Kest C	green	45/1	23/6	
			S/SCREEN						n. Hn. L	May grey green	971/-	25.75	
	foration	8	Method									3377	
Sa	eens	Slo	Туре			Ma Tele/p	aterial		Basel 194	50FT		1.	
From	To	siz		Diame	eter	size		Liner	ander Red	stale green gray		2579	
		+-							Caset Brown	+ Mele " "			
									Basell Block	+ the gram gray of	2381	13 -011	
		_		+					n H n	goody	CTATO	2684	
				-		-			Bout Bron	my + day glory 501	1 0504	000	
						L	□		Band Buck	4 cing green HA	76 2507	2570	
									conda Brown	A Red + Able gran	18390	227.5	
(8) WE	LL TES	STS: 1	Minimum t	esting (time i	is 1 ho	our		Date started		pleted		
							Flow	ving	,	Well Constructor Certific			
Pu	mp		Bailer		Air		Arte			ork I performed on the cor pliance with Oregon water			
Yield	gal/min	D	rawdown	Dr	rill ster	m at		Time	Materials used and in	formation reported above	are true to the	est of my kr	iowledge
								1 hr.	and belief.				
				1							WWC Nu	mber	
									Signed			Date	
Temperat	ture of w	ater		Depth A	Artesia	n Flow	Found		(bonded) Water We	Il Constructor Certificati	on:		
Was a wa			ne?	Yes By	whom	1			I accept responsib	ility for the construction, a	lteration, or ab	andonment v	vork
		•	ater not suita	•			☐ Too li	ttle	performed on this we	ell during the construction of stime is in compliance with	dates reported a	above. All w	ork
			Odor [construction standard	is. This report is true to the	e best of my kn	owledge and	belief.
Depth of	_	, [_	_				1// 1	WWC Nu		
Dopat of									Signed Da	lila Hora	2	Date	

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APR 13 2000

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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 pure of this form.

WATER SUPPLY WELL REPORT

WATER RESOURCES DEPT.

SALEM. OREGON

WELL I.D. # L	400	696	
CTART CARD	///	-114	

(1) OWNER:		W	ell Numbe	er	_ (9) LOCATION OF WELL by legal description:
Name					CountyLatitudeLongitude
Address					Township N or S Range E or W. WM.
City		State		Zip	Section 1/4 1/4
(2) TYPE OF V				_	Tax Lot Lot Block Subdivision
	Deepening Alter	ation (repair/r	econdition) Abandonmen	Street Address of Well (or nearest address)
(3) DRILLME		70			(40. cm.m.a.m.m.a.m.
	Rotary Mud	Cable	Auger		(10) STATIC WATER LEVEL:
Other (4) PROPOSE	DUCE.				ft. below land surface.
		7			Artesian pressure lb. per square inch. Date
	Community [_			(11) WATER BEARING ZONES:
	LE CONSTRUC	Livestock	Oth	er	=
	ion approval Yes		of Comm	lated Wall	Depth at which water was first found
HOLE	Yes No Ty	SEAL	Amo	uni	From To Estimated Flow Rate SWL
Diameter From	To Materi		m.	G	
Diameter From	materi	al From	To	Sacks or pounds	
How was seal pla	ced: Method		B D	: DD D	- (12) WELL LOG:
Other		U U	- 0		Ground Elevation
Backfill placed from	om ft. to	ft.	Material		Material From To SWL
Gravel placed from		ft.	Size of g		Bart Brown Stale gran 3593 2596
(6) CASING/L			one or g		Baset Brown shal gran groung 2596
Diameter		Gauge Steel	Plastic	Welded Threade	
_	1 1 1	1 –		_	Basel Brown 50FT 2597 8600
Casing:	+ + +				
	1				
	+ -++				7000 100
I in	++				Boset Block Male green 2605 2612
Liner:	+		님		Basel gray's red stile green 26/2 2629
Final location of s	han(a)		\Box		Bout grow Brown gurity white 2629 2632
	TIONS/SCREEN	c.			Rosal Block goods was hire 3437 9645
Perforations					
_	_		-		Bout gray stile glan + grant 8645 2652
Screens	Type		Mater Tele/pipe	ial	Baset Brown Style green 3652 2657
From To	size Number	Diameter	size	Casing Line	Basel Block Vas. Stile green 26572663
	+	-		- 📙 📮	
	+	-		. 📙 💆	
	+			. 🛮 🖺	266/2683
	 				6 6
				. 🗆 🖸	day gray SOFT 2689
(O) THEFT PERC	TDC 3.41				Shale green Basil Block 2689 2690
(8) WELL TES	TS: Minimum to	esting time i	s 1 hour		Date startedCompleted
				Flowing	(unbonded) Water Well Constructor Certification:
Pump	Bailer	Air		Artesian	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 sten	n at	Time	Materials used and information reported above are true to the best of my knowledge
				1 hr.	_ and belief.
-					WWC Number
Tomposture of		Donath A don'	- Floor F		Signed Date
Temperature of wa		Depth Artesian		ınd	_ (bonded) Water Well Constructor Certification:
Was a water analy	_	es By whom			I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work
	tain water not suitab			Too little	performed during this time is in compliance with Oregon water supply well
	kty ∏Odor ∏	Colored _	Other		construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:					WWC Number
					Signed all of owe Date
ORIGINAL & F	IRST COPY-WAT	ER RESOU	RCES DE	EPARTMENT S	SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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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 mission DEGON

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

(1) OWN	ER:			w	ell Nun	nber		(9) LOCATION OF V				
Name								County	Latitude	Longitude	****	
Address										E or W.	WM.	
City				State		Zip		Section	1/4_	1/4		
(2) TYP	E OF W	ORK				. —				Subdivision		
				ion (repair/n	conditi	on) Abando	nment	Street Address of Well	(or nearest address)			
(3) DRII					_ .			(10) STATIC WATER	TEVEL.			
	Air (Rota	ry Mud	Cable	Aug	er				Dete		
Other								ft. belo		Date		
(4) PRO								Artesian pressure (11) WATER BEARI		are inch. Date		
Domes				Industrial		rrigation		(II) WAIER BEARI	io zoniz.			
Therm	N TO		nstruct	Livestock		Other		Depth at which water was first found				
					of Cor	moleted Well	ft	-	18 10 III			
						mpleted Well _		From	To	Estimated Flow Rate	SWL	
		les	∐No Type	SEAL	^	mount		Tion			155	
Diameter	IOLE	т-	Material		То	Sacks or pour	nds					
Diameter	rrom	10	MINUTERIN		"	Sacra or poet						
	†											
								(12) WELL LOG:				
How was	seal pla	æd:	Method	_A _	ВГ	C D	□E		Elevation			
_	er											
			ft. to_	ft.	Mater	ial		Materia		From To	SWL	
Gravel pl					Size	of gravel		the grayons				
(6) CAS	ING/L	INER	:						-grug SOF			
	Hameter	Fre	m To G	auge Steel	Plasti	c Welded T	hreaded	Brott Block	covdy in	2705 2711		
Casing:_								Shel Brane +		27/1 27/4		
								thek Brown t	green Hord	2714 2718		
								thele grent 18		27/8/2720		
_								shale " "		443780 2722	1	
Liner:								Back Bloc		2789 2730	woder	
_								Board groy	goorts white	27309761		
Final loca								Brett gray cl		9 97619778		
(7) PER	FORA	TION	S/SCREENS	S:				LANGE LANGE	1 11 11	2772 2779		
	foration		Method						hale green with	1427 79 3 782		
Sc	reens		Туре		M Tele/p	aterial		Stale Brown		2/82 8/84		
From	To	Sko , siz		Diameter	size		Liner	Basel Block				
		+			-	_ 🛚		Basets gray				
		+			-	_ 📙		Shele Brown	+ Bard Bloo	4 2799 2801		
		+						and store	Ares gues	2 10 2 20		
		+			+-	— 님		Saut Blake	mare grand	28014990		
				L		⊔		Cinder Block	He some you	18000000		
(0) ***		anc.	Ø-1	-41	611				And Iston Figure	moleted		
(8) WE	LLTE	515: l	Minimum te	sting time	18 I DO	JUL		Date started (unbonded) Water Well		npleted		
		_	Daile-			Flowi		,		auon: nstruction, alteration, or aba	ndonment	
□ Pu		_	Bailer	☐ Air	o4	Artes	ime	of this well is in complia	nce with Oregon water	supply well construction st	andards.	
Yield	gal/min	T	rawdown	Drill st	in at		hr.	Materials used and informand belief.	nation reported above	are true to the best of my kn	owiedge	
		1					44.			WWC Number		
		_						Signed		Date		
Tempera	ture of v	ater		Depth Artesi	an Flov	v Found		(bonded) Water Well C	onstructor Certificati			
Was a w				es By whom				I accept responsibility	for the construction, a	alteration, or abandonment v	vork	
			ater not suitab	•		☐ Too lit	tle	performed on this well d	uring the construction	dates reported above. All w	ork	
			Odor []			_		construction standards.	ne is in compliance wi This seport is true to th	th Oregon water supply well be best of my knowledge and	l belief.	
Depth of								1	1/1.1	WWC Number / ム		
2 tpm. 0								Signed A	& Jone	Date		

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STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

Instructions for completing this report are on the last page STATEMOREGON

(1) OWNER.		W	II Number		7014	(9) LOCATION OF WELL by legal description:
(1) OWNER:		***	ii Nullibei			County Latitude Longitude
Name Address						Township N or S Range E or W. WM.
	. :	State		Zip		Section 1/4 1/4
City (2) TYPE OF WO		June -				Tax Lot Lot Block Subdivision
New Well Dec	nening Alteratio	on (renair/re	condition)	Abando	nment	Street Address of Well (or nearest address)
(3) DRILL METH	OD:	on (top-).	,			
Rotary Air		Table [Auger		1	(10) STATIC WATER LEVEL:
Other	Kotary Midd					ft. below land surface. Date
(4) PROPOSED U	ISE:					Artesian pressurelb. per square inch. Date
	Community 1	industrial	☐ Imig	ation	1	(11) WATER BEARING ZONES:
_		Livestock	Othe			
(5) BORE HOLE						Depth at which water was first found
Special Construction			of Comple	eted Well _	ft.	
Explosives used						From To Estimated Flow Rate SWL
HOLE		SEAL				
Diameter From T	o Material	From	To S	Sacks or pos	nds	
				_		
						(12) WELL LOG:
How was seal placed	: Method		В	. D	$\Box \mathbf{E}$	Ground Elevation
Other						
Backfill placed from	ft. to	ft.	Material			Material From To SWL
Gravel placed from		ft.	Size of gr	ravel		Bout Block state grun 2835 2839
(6) CASING/LIN		N 100 100 100				Bout Block 2839 2845 350 G
Diameter		auge Steel	Plastic	Welded T	breaded	Baset gray stale grun 2845 2863
Casing:						Basit Block + gearty 8863 2870
Casung						Baset gray of shale green 28 70 2872
						Bosett Blook & ship grun 2872 2879
						Basel grong totale group 2879 2881
Liner:						Bout Block 11 11 8881 2914
						Bull Blook + cinder Red 2914 2922
Final location of sho	e(s)					Broth grey V4, + that green 29220924
(7) PERFORATI		š:				Routh Block state green 298412939
Perforations	Method					Boatt gray & Stale gran + gray 2 939 2943
Screens	Туре		Mater			Dest Block 11 11 2943 2954
	Slot	Diameter	Tele/pipe	Casing	Liner	Baret geng + sule grag 2954 2958
From To	Size Number	Diameter		_ 🗆		Baset Block + 11 11 2938 2962
				_ 🗆		Breef gray & shale gram 2962 2970
						Resett Brown + Block Hale from 29702973
				_ 🗆		But digray + Unk grum 29332976
						Roset Block 2976 882
						Rosett grug & Block genera 2982 2986
(8) WELL TEST	S: Minimum te	sting time	is 1 bour	•		Date startedCompleted
				Flow	ring	(unbonded) Water Well Constructor Certification:
Pump	Bailer	Air		Arte		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 ste	em at	1	ime	or 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
					1 hr.	and belief.
						WWC Number
						SignedDate
Temperature of wat	ter	Depth Artesi	ian Flow F	ound		(bonded) Water Well Constructor Certification:
Was a water analys		es By whor				I accept responsibility for the construction, alteration, or abandonment work
Did any strata cont				Too li	ttle	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 Mude				_		construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					WWC Number <u>/ 3 9 9</u>
2-p-1-3-1-1-1-1						Signed walk Jane Date

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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 AM EMSOPEGON

START CARD #

(1) OW	NER:			,	Well Nur	nber		(9) LOCATION OF V			
Name Address								Tourship	N on S Pance	Longitude	1124
				Canan		7:-			N or S Range		WM.
City	FORT	VODV		State		Zip			1/4_		
(2) TYP										Subdivision	
(3) DRI				ation (repair	recondit	ion) Abando	onment	Street Address of Well	(or nearest address)		
Rotary	Air	Rota	ry Mud	Cable	Aug	er		(10) STATIC WATER	R LEVEL:		
Other								ft. beld	w land surface.	Date	
(4) PRO	POSE	D USE	:					Artesian pressure	Ib. per squa	are inch. Date	
Dome	stic	Com	munity [Industrial		rrigation		(11) WATER BEARI	NG ZONES:		
Therm	al	☐ Injec	ction [Livestock		Other					
(5) BO 1	RE HO	LE CO	NSTRUC'	TION:				Depth at which water was	first found		
Special C	onstruct	ion appr	roval Yes	☐No Dep	th of Co	mpleted Well _	ft.		,		
Explosive	es used	Yes Yes	No Typ	œ	A	mount		From	То	Estimated Flow Rate	SWL
1	HOLE			SEAL							
Diameter	From	To	Materi	al From	To	Sacks or pos	nds				
	-										
					 				J.		
		<u> </u>						(12) WELL LOG:			
How was	•		Method	A]B []C D	□E	Ground	Elevation		
Oth						· ·					
			ft. to		Mater	***************************************		Materia			SWL
Gravel pl				ft.	Size	f gravel		Beat Dlock +	greg	386 2988	
(6) CAS			:					Baset gray	0 -0 1/0	2988 2991	
I	Hameter	Fre	m To (Sauge Steel	Plasti	Welded T	hreaded	Bart Block air			
Casing:_		+						Boset grus 1			
-		+-						Basit grug sh		3009 3083	
_		+-	\rightarrow	-				Base Blook 9			
		+-	\rightarrow					Best Block		3027 3035	
Liner: _		_						Bast gray &	the same of the same of the same of		
–								Breit Bleck			
Final loca			COPER	C.				Brutt gray to			
			SCREEN					Busto gray s		3034 3078	
	foration		Method						quarte while		
Scr		Slot	Type		Tele/p	aterial		Basett gry state	green from	3081	
From	To	size	Number	Diameter	size		Liner	andr's red	46 Link	3099	
		+			+	_		Baset Block	White	3099	
-		+			+	_		n. Hobert to	14 de la consta	3/0/ 3/20	
	-	+		 	+	_		Dart Part	we great g	2100 211	
		+			+	_ H		Ald dhe	Sire A	3/17 3///	
								But DIE	L' III al	3/// 3//0	
(8) WFI	I.TES	TS. N	Linimum te	esting time	ig 1 ho	nr		Date started	M. Agale Trees	n (3//(a (3/24))	
(0) 11 22		, 10. N	nnimain t	rating time	19 1 110	··		(unbonded) Water Well			
Pur	m		Bailer	∏Air		Flowing Artesi				struction, alteration, or aband	
	zal/min		awdown	Drill st	em et	Th		of this well is in complian	ce with Oregon water:	supply well construction stan	darde
	tree	<u></u>					hr.	Materials used and inform and belief.	nation reported above a	re true to the best of my know	wledge
										WWC Number	
- 2								Signed		Date	
Temperat	ure of w	ater		Depth Artes	ian Flow	Found		(bonded) Water Well Co	nstructor Certification		
Was a wa				es By who						nu: teration, or abandonment wo	ek
			ter not suitab	•		☐ Too littl	le	performed on this well du	ring the construction d	ates reported above. All wor	k
•			Odor 🗀			<u> </u>		performed during this time construction standards. T	e is in compliance with his report is true to the	n Oregon water supply well best of my knowledge and b	elief
Depth of		-, _	, <i>-</i> U	[1	// /	WWC Number 139	
2.5								Signed Wald	1 Jane	Date	7
								- Garage		Date	

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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 11.5 ARTOON.

(1) OWN	ER:			V	Vell Nur	mber		(9) LOCATION OF	WELL by legal descr	ription:		
Name									Latitude			
Address									N or S Range			. WM.
City				State		Zip		Section	1/4		1/4	
(2) TYPE								Tax Lot	LotBlock	Su	bdivision_	
-				tion (repair/	recondit	ion) Aband	lonment	Street Address of We	ll (or nearest address)			
(3) DRIL												
	Air [Rota	ry Mud	Cable	Aug	er		(10) STATIC WATE	R LEVEL:			
Other			***************************************					ft. be	low land surface.		ate	
(4) PROI								Artesian pressure		e inch. D	ate	
Domest	•	_	,	Industrial		Irrigation		(11) WATER BEAR	ING ZONES:			
Therma		Injec		Livestock		Other						
)NSTRUCT			2 5-20029 00		Depth at which water wa	s first found			
						mpleted Well						
	-	Yes	☐ No Typ		A	mount		From	To	Estimated	Flow Rate	SWL
_	OLE			SEAL					-			
Diameter	From	To	Materia	From	To	Sacks or po	unds		-			-
					-							-
					-				-			+
				-	-							
	لبا		L		<u></u>			(12) WELL LOG:				
How was s			Method	_^ _]B [_c □p	□E	Groun	d Elevation			
	r									T -		
Backfill pl						ial		Mater		From	To	SWL
Gravel pla			ft. to	ft.	Size	of gravel			whole from + 92	3/37	3/2/	
(6) CAS									+ shall green		3/34	
Di	lameter	Fre	m To G	auge Steel	Plasti	_	Threaded		- thate grun	3134		
Casing:		+							+ Able green			
_		+	_	\dashv				Ball BL	rec	3137	3/38	
		+-	+	\dashv				<u> </u>				
		+										
Liner:		+-	-	\dashv	\vdash							
F:11					Ш					-		
Final locat			S/SCREEN	· ·								
										+		
Perf			Method									
Scre	ens	Slo	Type		Ma Tele/p	aterial loe						
From	To	size		Diameter	size		Liner					
\rightarrow		+-			+	— 出					1	
		+-			-	_ 🛚					-	
		+-			-	— 📙					-	
-		+-			-	_						
						U				-	-	
(0) 1777	T MENO	TC:	Ø-1	-41 4*	1-1-			<u></u>				
(8) WEL	L TES	12: V	Ainimum te	sting time	18 1 bo	ur		Date started	Comp			
		_				Flow			Constructor Certificat			
Pum	•		Bailer	Air		Arte			I performed on the consumer with Oregon water s			
Yield g	al/min	Dı	rawdown	Drill ste	m at		ime	Materials used and infor	mation reported above ar			
			-				1 hr	and belief.				
										WWC Nun	-	
		L						Signed			Date	
Temperatu				Depth Artesi		Found		,,	constructor Certification			
Was a wat			_	es By whon				I accept responsibility	y for the construction, alt turing the construction da	eration, or aba	indonment w	ork
_ ′		200	ter not suitab	_			ttle	performed during this tis	me is in compliance with	Oregon water	supply well	
Salty	Mud	ldy [Odor 🔲	Colored [Other			construction standards.	This report is true to the	best of my kno	owledge and	
Depth of s	strata:							1 //	that in	WWC Nur	mber $\angle 39$	79
								Signed Work	Source B		Date	

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