## **Groundwater Application Review Summary Form**

Application # G- 1889 4
GW Reviewer Karl Wozniak Date Review Completed: 1-21-2020
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).

Version: 3/30/17

## WATER RESOURCES DEPARTMENT

MEN	10							Janua	ry 21	,20_2	0			
то:		Applic	cation (	i18	896									
FRO	M:	GW: _	(Review	er's Name	znia.	K	-							
SUB,	SUBJECT: Scenic Waterway Interference Evaluation													
	YES NO	The so	urce of	appropr	iation is	within	or abov	e a Scei	nic Wate	erway				
	YES Use the Scenic Waterway condition (Condition 7J) NO													
	Per ORS 390.835, the Groundwater Section is <b>able</b> to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below.													
	Per ORS 390.835, the Groundwater Section is unable to calculate ground water interference with surface water that contributes to a scenic waterway; therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway.													
DISTRIBUTION OF INTERFERENCE  Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding.														
Water	ise of the way by surface	the follo	owing a	mounts	o reduce express	e month ed as a p	ly flows proporti	on of th	e consu	mptive	Scenic use by			
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
										1				

## PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

Water Rights Section Groundwater Section			Karl W	ozniak		Date		January	21, 2020				
				No. 20	10 100 to	e							
JBJECT: Application G- <u>18896</u>					Sup	ersedes	revi	ew of			CD :	( )	
										L	ate of Revi	ew(s)	
90-310-13 safety and mine whet	<b>0</b> ( <b>1</b> ) The d health her the p	e Departme as describe presumption	ent shall pro ed in ORS 3 n is establis	esume that 537.525. De shed. OAR	a proposed epartment s 690-310-1	d ground staff revi 40 allow	ew g	roundwater proposed u	applica se be n	ations un nodified	der OAR or conditi	690-310 oned to 1	)-140 meet
NERAL	INFOR	MATION	<u>√</u> : Ap	plicant's N	ame:P	atchwo	rk H	oldings LL	C	Co	ounty:		
Applican	t(s) seek	x(s) <u>1.04</u>	cfs from	1	well(s	) in the _	1	Willamette					Basin,
Sa	antiam R	liver			subbas	sin							
Proposed	use	Irriga	tion		Seaso	nality:	Mar	rch 1 – Octo	ber 31				
Well and	aquifer	data ( <b>attac</b>	h and nun	nber logs fo	or existing	wells; r	nark	proposed v	wells a	s such u	nder logi	<b>d</b> ):	
Logic	i	Applicant's Well #	Propose	ed Aquifer*				Location (T/R-S QQ-Q	))				
Propos	ed	1	Al	luvium	1.04	4	10	0S/3W-15 NE/I	NW				S 15
ım, CRB, E	Bedrock												
Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft) 50	Seal Interval (ft)	Interval	als	Liner Intervals (ft)	Or S	Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
													-
6 1													
Commer	nts: The	applicant i	requests 1.0									cres usin	ng an
managen (Not all b	nent of g pasin rul	roundwater es contain s	r hydraulica such provis	ally connec ions.)	ted to surfa	ace wate	r 🗌	are, or	are no	t, activat	ed by this	s applicat	tion.
Name of	adminis	trative area	:						limite	d by an a	dministra	ntive restr	riction.
	CT:  CT:  CT:  CINTE  00-310-13  safety and mine whete umption c  NERAL  Applican  Sa  Proposed  Well and  Logic  Proposed  Well Elev ft msl  215  from applic  Commer annual vo  Provision managem (Not all b) Commen  Well(s) # Name of	CT: Applica  CT: Applica  CINTEREST 1  O0-310-130 (1) The safety and health mine whether the pumption criteria. To the santiam Research of the santiam	CT: Application G- 18  CINTEREST PRESUM  O0-310-130 (1) The Departme safety and health as describe mine whether the presumption umption criteria. This review  NERAL INFORMATION  Applicant(s) seek(s)1.04	CINTEREST PRESUMPTION: O-310-130 (1) The Department shall processed and health as described in ORS simile whether the presumption is establish umption criteria. This review is based unption criteria. The swll # SwL SwL SwL Date fit bls Date fit bls Date from application for proposed wells.  Comments: The applicant requests 1.6 annual volume of 207.58 acre feet (2.5 annual volume of 207.58 acre feet (2.5 annual volume of groundwater hydraulical (Not all basin rules contain such provis Comments: The well is not within 1/4-m.)  Well(s) #	CINTEREST PRESUMPTION; GROUND 0-310-130 (1) The Department shall presume that safety and health as described in ORS 537.525. Define whether the presumption is established. OAR umption criteria. This review is based upon availance NERAL INFORMATION:  Applicant(s) seek(s) 1.04 cfs from 1  Santiam River  Proposed use Irrigation  Well and aquifer data (attach and number logs for the Well # Proposed 1 Alluvium  Improved 1 Alluvium  Applicant's Well # Proposed Aquifer*  Proposed 1 Alluvium  Improved 1 Alluvium  Im	CT: Application G- 18896 Supposed CINTEREST PRESUMPTION; GROUNDWATER D0-310-130 (1) The Department shall presume that a proposed safety and health as described in OR\$ 537.525. Department sinine whether the presumption is established. OAR 690-310-1 umption criteria. This review is based upon available inform NERAL INFORMATION: Applicant's Name: F  Applicant(s) seek(s) 1.04 cfs from well(s Santiam River subbarded	CT: Application G- 18896 Supersedes  CINTEREST PRESUMPTION; GROUNDWATER  10-310-130 (1) The Department shall presume that a proposed ground safety and health as described in ORS 537.525. Department staff revinine whether the presumption is established. OAR 690-310-140 allow amption criteria. This review is based upon available information a NERAL INFORMATION: Applicant's Name: Patchwo  Applicant(s) seek(s) 1.04 cfs from 1 well(s) in the Santiam River subbasin  Well and aquifer data (attach and number logs for existing wells; responsed use Irrigation Seasonality: 1.04 Proposed I Alluvium 1.04 Proposed I Alluvium 1.04 Proposed I Alluvium 1.04 Proposed I I Alluvium 1.04 Proposed I I Alluvium 1.05 Proposed I I Alluvium 1.06 Proposed I I Interval Interva	CT: Application G- 18896 Supersedes revi  CINTEREST PRESUMPTION; GROUNDWATER  O-310-130 (1) The Department shall presume that a proposed groundwate safety and health as described in ORS 537.525. Department staff review gnine whether the presumption is established. OAR 690-310-140 allows the umption criteria. This review is based upon available information and a NERAL INFORMATION: Applicant's Name: Patchwork H  Applicant(s) seek(s) 1.04 cfs from 1 well(s) in the Santiam River subbasin  Proposed use Irrigation Seasonality: Mare Well and aquifer data (attach and number logs for existing wells; mark  Logid Applicant's Proposed Aquifer* Rate(cfs)  Proposed 1 Alluvium 1.04 1  Logid Well # Proposed Aquifer* Proposed Rate(cfs)  Proposed 1 Alluvium 1.04 1  Im. CRB, Bedrock  Well First ft bls Date (ft) (ft) (ft) (ft)  (ft) (ft) (ft)  ft bls Date (ft) (ft) (ft) (ft)  From application for proposed wells.  Comments: The applicant requests 1.04 cfs (467 gpm) from 1 proposed annual volume of 207.58 acre feet (2.5 acre feet/acre). The proposed well  Provisions of the Willamette Basin rule management of groundwater hydraulically connected to surface water (Not all basin rules contain such provisions.)  Comments: The well is not within ½-mile of a surface water source so th Well(s) #	CT: Application G- 18896 Supersedes review of	CINTEREST PRESUMPTION; GROUNDWATER 20-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the safety and health as described in Or8 537.525. Department staff review groundwater application or criteria. This review is based upon available information and agency policies in proposed use be numption criteria. This review is based upon available information and agency policies in proposed use be numption criteria. This review is based upon available information and agency policies in proposed use be numption criteria. This review is based upon available information and agency policies in proposed use in proposed use in proposed use in proposed use in grigation. Seasonality: March 1 − October 31.  Well and aquifer data (attach and number logs for existing wells; mark proposed wells as the proposed use in proposed and in proposed Adulter* Proposed Location well and aquifer data (attach and number logs for existing wells; mark proposed wells as the proposed in the proposed Adulter* Proposed Location well and aquifer data (attach and number logs for existing wells; mark proposed wells as the proposed in the proposed Adulter* Proposed Location (Tr.R. S.QO-Q). Proposed in Adultium in the proposed well and the proposed well in the proposed well in the proposed well interval intervals interval	CI: Application G- 18896  Application G- 18896  Application G- 18896  CI: Applicat	CT: Application G- 18896  CT: Application G- 18896  CI NTEREST PRESUMPTION; GROUNDWATER  10-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of safety and health as described in ORS 537.525. Department staff review groundwater applications under OAR mine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or condition umption criteria. This review is based upon available information and agency policies in place at the time of SERAL INFORMATION:  Applicant(s) seek(s) 1.04 cfs from 1 well(s) in the Willamette santiam River subbasin  Proposed use Irrigation  Seasonality: March 1 - October 31  Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logical applicant's Well a halvium 1.04 1083W-15 NE/NW 405 S. 1270 W ft and 1.04 1083W-15 NE/NW 405 S. 1270 W ft and 1.04 1083W-15 NE/NW 405 S. 1270 W ft and 1.04 1083W-15 NE/NW 1.05 S. 1270 W ft and 1.04	CT: Application G- 18896  CT: Application G- 18896  CI INTEREST PRESUMPTION: GROUNDWATER  10-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the publisafety and health as described in ORS 537.525. Department staff review groundwater applications under OAR 690-310-140 allows the proposed use be modified or conditioned to umption criteria. 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Version: 05/07/2018

Date: January 21, 2020 Page

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

B1.	Base	ed upon available data, I have determined that groundwater* for the proposed use:
	a.	is over appropriated, is not over appropriated, or is 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.	will not or 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, if issued, 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.
		<b>Describe injury</b> –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):

#### **B3.** Groundwater availability remarks:

There is insufficient data to determine if the groundwater resource is over appropriated as prescribed in OAR 690-310-130.

The applicant requests 1.04 cfs (467 gpm) from 1 proposed well for primary irrigation of 83.03 acres using an annual volume of 207.58 acre feet (2.5 acre feet/acre). The proposed well is located in the western portion of a narrow valley between Hale Butte and Scravel Hill about 1.75 miles southwest of the town of Jefferson. The local valley floor is underlain by about 50 feet of alluvial sediments which comprise the alluvial aquifer system. The upper 10-20 feet consists of the Willamette Silt which is generally described on local wells logs as clay, silty clay, or sandy clay. The underlying sediments are older alluvium which contains a few productive sand and gravel beds that generally have an aggregate thickness of less than 20 feet. The sediments are underlain by older sedimentary and volcanic rocks that form the low-yield bedrock aquifer system. The alluvial aquifer thins to a zero line about 650 feet north and 1850 feet south of the proposed well where older bedrock crops out at the surface on Hale Butte and Scravel Hill. The local water table resides in the Willamette Silt which provides some degree of confinement for the aquifer.

Water-well are sparse in the local area. Tax lots and aerial imagery indicate only a few domestic wells on tax lots about 500 feet south of the proposed well. LINN 61319, the only field-located domestic well, presumed to be representative, is a sixinch diameter domestic well with a reported air-test yield of 12 gpm that encountered bedrock at a depth of 29 feet. The only nearby irrigation well, LINN 4705, at about 1100 feet to the southeast, is a 12-inch diameter well with a reported bailer-test yield of 75 gpm with 10 feet of drawdown. A few other irrigation wells (LINN 4662, LINN 4665, & LINN 4666) that lie at

Version: 05/07/2018

Date: January 21, 2020

the eastern end of the valley have reported yields ranging from 300-600 gpm with only a few feet of drawdown. These higher production rates and smaller drawdowns are associated with younger sediments deposited in the modern floodplain of the Santiam River (Helm and Leonard, 1977).

The limited thickness of the productive sediments in the vicinity of the proposed well and the nearby northern and southern edge of the alluvial aquifer indicate a limited production potential, consistent with the relatively low yield (75 gpm) reported for LINN 4705. These facts indicate that groundwater for the proposed use will not likely be available within the capacity of the local groundwater resource at the requested rate of 1.04 cfs (467 gpm) from the proposed well. These same factors indicate a high probability of injurious interference, at the proposed rate, with nearby domestic wells which already fully penetrate the alluvial aquifer.

Groundwater-level data is sparse in the immediate area but limited data from nearby well LINN 4705 suggest that local water levels are probably stable, consistent with the very low density of wells in the area.

#### 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	Alluvial aquifer system	$\boxtimes$	
	· ·		

Basis for aquifer confinement evaluation: Well logs of nearby wells indicate some degree of confinement as static water levels rise 10-15 feet above reported water-bearing sands and gravels.

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)		Hydrau Conne NO	-	Potentia Subst. In Assum YES	terfer.
1	1	Santiam River	208-211	205-210	5880	$\boxtimes$				$\boxtimes$

Basis for aquifer hydraulic connection evaluation: Porous media are continuous between the proposed well and the Santiam River. Groundwater elevations at the proposed well site (based on reported water levels for nearby wells LINN 4705 & LINN 61319) are essentially equivalent to the elevations of adjacent reaches of the river. These facts indicate that the alluvial aquifer is hydraulically connected to local streams.

Water Availability Basin the well(s) are located within: WAB 167, Santiam R > Willamette R – At Mouth

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

Well	SW #	Well < 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?

C3b. **690-09-040 (4):** Evaluation of stream impacts <u>by total appropriation</u> 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.

Version: 05/07/2018

4

Application G-18896 Date: January 21, 2020

Gannett, M.W. and Caldwell, R., 1998, Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington: U.S. Geological Survey Professional Paper 1424-A, 32 p.

Helm, D.C. and Leonard, A.R., 1977, Ground-water resources of the lower Santiam River basin, middle Willamette Valley, Oregon: Oregon Department of Water Resources Ground-Water Report no. 25, 75 p.

O'Connor, J.E., Sarna-Wojcicki, A., Wozniak, K.C., Polette, D.J., and Fleck, R.J., 2001: U.S. Geological Survey Professional Paper 1620.

Woodward, D.G., Gannett, M.W., and Vaccaro, J.J., 1998, Hydrogeologic framework of the Willamette Lowland aquifer system, Oregon and Washington: U.S. Geological Survey Professional Paper 1424-B, 82p.

#### D. WELL CONSTRUCTION, OAR 690-200

**References Used:** 

D1.	Well #: Logid:	
D2.	THE WELL does not appear to meet current well construction standards based upon:  a. review of the well log;  b. field inspection by report of CWRE 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.	

Version: 05/07/2018

5

Page

#### Page

#### 6

## Water Availability Tables

#### DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

SANTIAM R > WILLAMETTE R - AT MOUTH

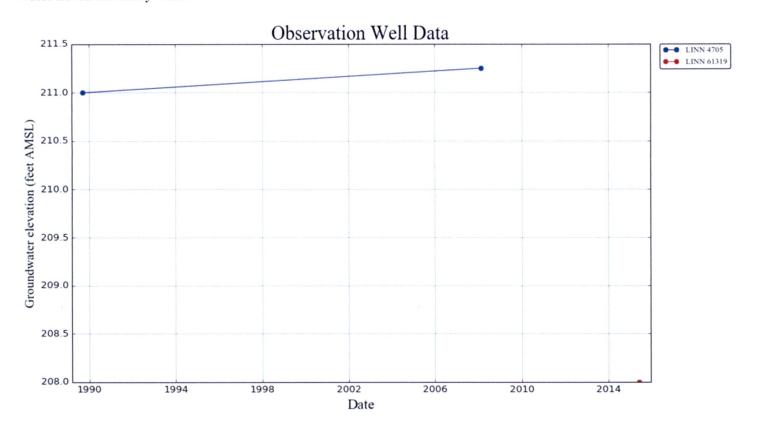
Watershed ID #: Time: 4:46 PM 167

Basin: WILLAMETTE

Exceedance Level: 80 Date: 01/17/2020

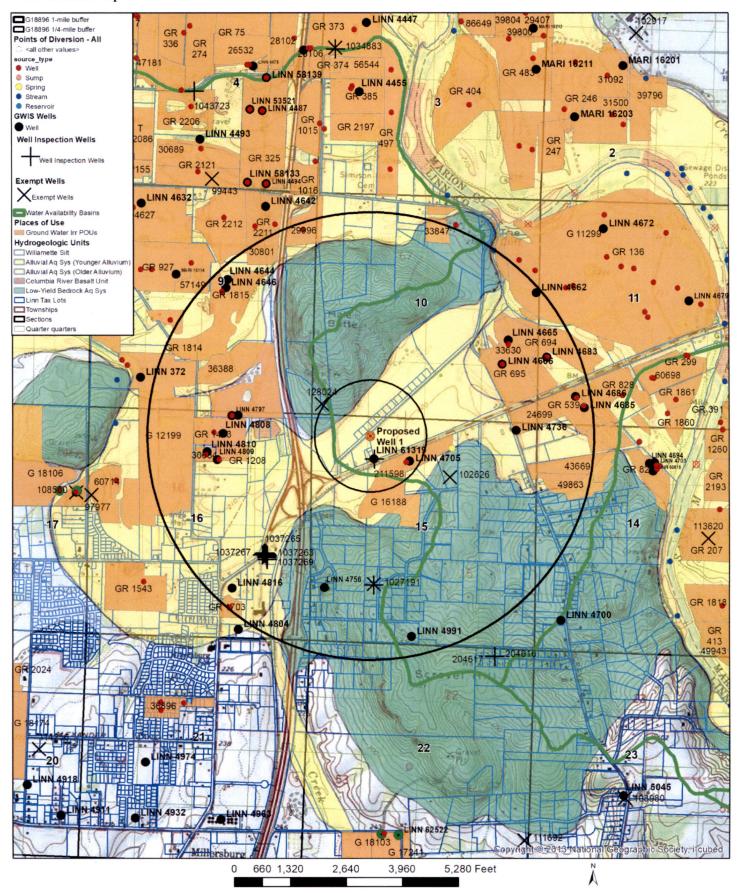
						11me. 4.40
Net	Instream	Reserved	Expected	Consumptive	Natural	Month
Water	Requirements	Stream	Stream	Use and	Stream	
Available		Flow	Flow	Storage	Flow	
		re in cfs.	Monthly values a			
	n ac-ft.	50% exceedance i	the annual amount at	Storage is		
4,480.00	320.00	0.00	4,800.00	1,060.00	5,860.00	JAN
2,940.00	320.00	0.00	3,260.00	3,330.00	6,590.00	FEB
2,650.00	320.00	0.00	2,970.00	2,900.00	5,870.00	MAR
2,160.00	320.00	0.00	2,480.00	2,890.00	5,370.00	APR
2,770.00	320.00	0.00	3,090.00	1,930.00	5,020.00	MAY
1,200.00	320.00	0.00	1,520.00	1,080.00	2,600.00	JUN
42.30	320.00	0.00	362.00	1,020.00	1,380.00	JUL
-247.00	320.00	0.00	72.60	957.00	1,030.00	AUG
-244.00	320.00	0.00	75.60	847.00	923.00	SEP
-71.90	320.00	0.00	248.00	772.00	1,020.00	OCT
1,770.00	320.00	0.00	2,090.00	726.00	2,820.00	NOV
4,900.00	320.00	0.00	5,220.00	719.00	5,940.00	DEC
3,060,000	232,000	0	3,280,000	1,090,000	4,380,000	ANN

#### Water Levels in Nearby Wells



Date: January 21, 2020

#### **Well Location Map**



Date: January 21, 2020

8

## **Selected Well Logs**

STATE OF OREGON 11705 OCT 12	3 1989	//	25/3/1//	15h
WATER WELL REPORT (as required by ORS 537.765) WATER RESOU	15	(START CARD) #	10594	
(1) OWNER: Well Number:	1114		legal description:	
Name Pay Wayne Smith Address Parson 1987	- County Line	Latitude 44 3	18 / 15 Longitude 123	13.00
City Oldany State On Zip 9732/	Township 10 S	S Nor S, Range	34 Eor W	
(2) TYPE OF WORK:	Section	NE_4	NW 1/4	1,
Mew Well Deepen Recondition Abandon	Tax Lot Street Address of W	Lot Block	Subdivision_	F. 00
(3) DRILL METHOD	Street Address of W	ell (or nearest address,	2/	you
☐ Rotary Air ☐ Rotary Mud	(10) STATIC V	WATER LEVEL:		
U Other (4) PROPOSED USE:	a	below land surface.	Date 9-1	9-89
(4) PROPOSED USE:	Artesian pressure	lb. per squa	uare inch. Date	
☐ Thermal ☐ Injection ☐ Other	(11) WATER B	BEARING ZONE	ES:	
(5) BORE HOLE CONSTRUCTION:	Depth at which water was	as first found	,	
Special Construction approval Yes No Depth of Completed Well 37 ft	ft. From	То	Estimated Flow Rate	SWL
Yes No L Z  Explosives used Z Type Amount	22	37	100 +	9
HOLE SEAL Amount	-			
Diameter From To Material From To sacks or pounds			<del></del>	1
10 17 40 stiel 18 15 spoks	(12) WELL LOC	a.	272	
10 40 57 sperkle		Ground elevatio		
	The Sail	Material	From To	SWL
How was seal placed: Method A B Z C D E	Clay, Brown	a dealing	1 2 22	-
Other Backfill placed from ft. to 18 ft. Material Company	- Sald Brown	mel Thron	el 22 37	9
Backfill placed from	Clay Brown	Sandy	37 43	
(6) CASING/LINER:	Cay son	tray har	4. 43 57	
Diameter From To Gauge Steel Plastic Welded Threaded				
Casing: 10 1+ 40 .250 \( \begin{array}{cccccccccccccccccccccccccccccccccccc				
Liner:				
				-
a man location of shocks)				
(7) PERFORATIONS/SCREENS:  Perforations Method For				
Perforations Method Material				
Slot Tele/pipe				-
From To size Number Diameter size Casing Liner				
21 31 74 3 00 0				
	Date started 9-	14-89 Comple	oleted 9-19-	89
(8) WELL TESTS: Minimum testing time is 1 hour	(unbonded) Water We	Vell Constructor Cert	tification:	
Flowing	I certify that the	work I performed on	the construction, altera	
Viold col/win Day 1	standards. Materials use	ed and information re	e with Oregon well const eported above are true to i	truction my best
7.7	knowledge and belief.	-D	WWC Number	
73 70 1 hr.	Signed		WWC Number Date	
	(bonded) Water Well (	Constructor Certifi	ication:	
Temperature of water 52 Depth Artesian Flow Found	I accept responsibi	oility for the construction	tion alteration or aband	donment
Was a water analysis done? 🖟 🗆 Yes 🛮 By whom	work performed on this	s well during the constr	truction dates reported ab	bove. all
Did any strata contain water not suitable for intended use? #P Too little  Salty Muddy Odor Colored Other	construction standards. belief.	This report is true to	to the best of my knowled	dge and
Depth of strata:	Signed Bof	1. Roler	WWC Number _6	00
DIGINAL & DIDOR CODY	ND COPY - CONSTRUCTOR	THE COPY	Date 7-17	07

# RECEIVED BY OWRD

LINN 61319

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

JUL 0 3 2915

WELL LABEL # L 6111963

Date: January 21, 2020

START CARD#\_\_\_211598 Instructions for completing this report are on the last page of this form. SALEM, OR Owner Well I.D. DR-3131
Last Name Johnson (1) LAND OWNER (9) LOCATION OF WELL (legal description) First Name LINDA County LINN Twp 10 bo(\$) Range 3 OrWW W.M. Company \_\_\_ State DEE 38928 Sec 15 NW 1/4 of the NW 1/4 Tax Lot 200 HWY Address Zip 97322 Tax Map Number Lat DMS or DD (2) TYPE OF WORK New Well Deepening Conversion DMS or DD Alteration (repair/recondition) ■ Abandonment Street Address of Well (or nearest address) \_\_\_\_\_ SAME (3) DRILL METHOD Rotary Air Rotary Mud Cable Auger Cable Mud Other Reverse Rotary (10) STATIC WATER LEVEL SWL(psi) + (4) PROPOSED USE ☐ Domestie ☐ Industrial/Commercial ☐ Livestock ☐ Irrigation ☐ Community Existing Well/Predeepening Dewatering Injection Completed Well Flowing Artesian? Yes Dry Hole? Yes Other Thermal (5) BORE HOLE CONSTRUCTION Special Standard: Yes (attach copy) WATER BEARING ZONES Depth of Completed Well 40 ft. To Est Flow SWL (psi) + SWL (ft) SWL Date From BORE HOLE SEAL To Material From To Amount Seks/lbs Dia From - 6 8 SUS 6-1-15 20 26 12+ 6pm 18 Bennowite 0 18 16" 0 18 40 SUCS (11) WELL LOG Ground Elevation How was seal placed: Method A B From Maurial Voured TOP SOIL i. Material Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_ CLAY-BROWN WIGET GRAVEL WICLAY - BROWN JANO WI GRADEL Filter pack from \_\_\_\_\_\_ft. to \_\_\_\_\_ft. Material \_ Explosives used: Ycs Type CLAY-BEDWN W/GRADER (6) CASING/LINER Csng Linr Dia + From To Gauge Steel Plastic Welded Thrd 29 1250 6 L RECEIVED BY OWRD RECEIVED BY OWRE JUL 2 3 2015 JUL 0 6 2015 Shoe Inside Outside Other Location of shoe(s) \_\_\_\_\_29 SALEM, OR SALEM, OR Date Started 6-1-15 6-1-15 (7) PERFORATIONS/SCREENS Completed HOLTE Perforations Method (unbonded) Water Well Constructor Certification STEEL Sercens SLOT Material I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well Tele/ Screen/ construction standards. Materials used and information reported above are true to Screen slot Slot # of pipe the best of my knowledge and belief. Dia width length slots Perf Sem Cong Line From 1/4 216 X 20 26 License Number (bonded) Water Well Constructor Certification (8) WELL TESTS: Minimum testing time is 1 hour I accept responsibility for the construction, deepening, alteration, or ☐ Bailer Air Air Flowing Artesian Pump abandonment work performed on this well during the construction dates reported Drill stem/Pump depth Drawdown Duration (hr) Yield gal/min above. All work performed during this time is in compliance with Oregon water 12+ 2 HES supply well construction standards. This report is true to the best of my knowledge and belief. Temperature 54 °F Lah analysis Yes By TOS - 127 Water quality concerns? Yes (describe below) Description From Units To Amount Contact Info. (optional)