Groundwater Application Review Summary Form

Application # G- /	8584	
GW Reviewer/	4. Thera	Date Review Completed: 02-04-19
Summary of GW A	vailability and Injury Review	<i>:</i>
amounts requested	d without injury to prior wate	over appropriated, will not likely be available in the er rights, OR will not likely be available within the on B of the attached review form.
Summary of Poten	ntial for Substantial Interfere	nce Review:
[] There is the pot	ential for substantial interfer	rence per Section C of the attached review form.
Summary of Well (Construction Assessment:	
[] The well does n	ot appear to meet current w	ell construction standards per Section D of the attached
review form. Pout	te through Well Construction १८(४०	and Compliance Section.
This is only a summ	nary. Documentation is attac	ched and should be read thoroughly to understand the
hasis for datarming	ations and for conditions that	t may be necessary for a new it life and is included

WATER RESOURCES DEPARTMENT

MEM	Ю						-	02-0	94	_,20_/	19
TO:		Applic	ation G	- 185	84		_				
FRO	M:	GW: _	ation G M, 1 (Reviewe	nor er's Name	:)		_				
SUBJ	ECT: S	cenic W	Vaterwa	y Inter	ference	Evalua	ition				
	YES NO		ource of			s hydra	ulically	connect	ted to a	State Sc	cenic
_	YES NO	Use tl	ne Sceni	c Water	rway Co	ondition	(Condit	tion 7J)			
i	Per ORS nterferer calculated	nce with	h surfac	ce wate	er that	contrib			_		
i: t t	Per ORS nterferer he Depa hat the necessar	nce with artment propo	surface is una sed us	e water ble to e will	that co find th measu	ntribute at there rably 1	s to a s e is a p reduce	scenic worepond the su	vaterwa lerance ırface	y; there of evic water	efore, lence
Calcula calcula	RIBUTI ate the per ated, per ing Water	rcentage criteria ii	of consun n 390.833	nptive use 5, do not	by mont	he table	but checi	k the "ur	nable" op	tion abo	ve, thus
Water	ise of th way by surface	the follo	owing a	mounts			•				Scenic use by
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083

PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO:		Wate	r Rights S	ection				Date	e0	2/04/2019		
FROM	1:	Grou	ndwater S	ection		Michae	el J Thoma					
							ewer's Name					
SUBJI	ECT:	Appli	cation G-	18584		Su	persedes	review of				
										Date of	Review(s)	
PURI	IC INTE	TREST	r presii	MPTION;	CROUN	DWATE	D					
								water use will e	ansura tha	preservation	of the pul	lio
								ew groundwate				
								s the proposed				
								s the proposed nd agency poli				
the pres	sumption	critcria	. This ice	tw is baseu	upon avan	abic infor	mation ai	nd agency pon	cies in pia	ce at the th	ne of evalu	iauon.
A. GE	NERAL	INFO	RMATIC	ON: A	pplicant's N	Name:	David M.	Pritchett and	Cornell M	1. Hartford		
					ounty:		Jackson				_	
A1.	Applica	nt(s) se	ek(s) = 0.00	67 cfs from	m <u>1</u>	well((s) in the _	Rogue				_ Basin,
	Ţ	Jpper F	Rogue			. subb	asin					
A2.	Propose	d use _	Irri	gation (10 a	cres)	Seas	sonality: _	Year Round				
												7
A3.	Well an	d aquif	er data (att	ach and nu	mber logs i	for existin	g wells; n	nark proposed	wells as s	uch under l	ogid):	
			Applicant'	's		Prop	osed	Location		Location, me	tes and hou	nds e a
Well	Logid	1	Well #	Propos	ed Aquifer*	Rate		(T/R-S QQ-		2250' N, 120		
1	JACK 56	604	1	В	Bedrock	0.06		34S/1W-4 SW			7'E fr NW c	
* Alluvi	ium, CRB,	Bedrock	(6					
***	Well	First	SWL	SWL	Well	Seal	Casing	Liner	Perforation		Draw	Test
Well	Elev	Water	ft bls	Date	Depth	Interval	Intervals		Or Scree		Down	Type
1	ft msl 1,628	ft bls	180	1/8/2004	(ft) 225	(ft) 0-18	(ft) +2-18	(ft) 0-225	(ft) 205-225	(gpm) 30	(ft)	A
			for proposed	NAME AND ADDRESS OF TAXABLE PARTY.	223	0-10	12-10	0-223	203-22.) 30		Α
ose dan	a nom appi	reation	ror proposed	wens.								
A4.	Comme	ents:									*	
A5.				(690-515)				rules relative to				
						cted to sur	face water	r \square are, or \boxtimes	are not,	activated by	this applic	ation.
			ules contai	n such provi	isions.)							
	Comme	nts:		/*				`				
A C 🖂	1 xx n/x	ш										
A6	Well(s)	f odmin	istrativa a	,		,	,	tap(s) an aquife	er limited b	y an admin	strative res	striction.
	Comme	nts	-									

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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, 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.	\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 (Annual); 7J (Scenic); Medium 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):
		2
В3.	not con can The	bundwater availability remarks: There is a non-current OWRD Obs Well within 1 mile of the proposed POA that has assurements up to 2015 (JACK 375) and a current OWRD Obs Well just over 1 mile that has current water level data but as long a record. Data from both wells appear to track each other so a long-term record could be interpreted from the abined data set. However, it is unclear from these data whether the long-term trend is stable so Capacity of the Resource not be determined and the Static Water Level Condition 7N is recommended. There is a non-current OWRD Obs Well within 1 mile of the proposed POA (permits G-6800 and G-3957) but the potential for arry is low given the low rate proposed by the application and the low transmissivity of the aquifer. However, standard reference conditions are recommended.

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

C1. 690-09-040 (1): Evaluation of aqu	uifer con	finement
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Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Bedrock of Western Cascades Volcanics		\boxtimes
		• / ,	

Basis for aquifer confinement evaluation: In fractured-bedrock aquifer systems the primary movement of water is through discrete but connected fracture sets. These fractures generally extend to near the surface and so water within these fractures is likely under atmospheric pressure (unconfined) despite an overall low storage coefficient for the aquifer system as a whole and static water levels often reported above water-bearing zones on driller's logs

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)		Iydrau Conne NO A	-	Potentia Subst. In Assum YES	terfer.
1	1	Rogue River	1448	1400 - 1410	6070	\boxtimes				\boxtimes
1	2	Trail Creek*	1448	1430 - 1480	4730		\boxtimes			\boxtimes

Basis for aquifer hydraulic connection evaluation: Groundwater elevations are above surface water elevations implying that groundwater is flowing towards and discharging to surface water; the Rogue River is likely the regional groundwater discharge for the area.

*The proposed POA is within ½ mile of the basin divide between the Rogue River and Trail Creek but this review finds that hydraulic connection to Trail Creek is insignificant compared to the Rogue River and so was not evaluated for PSI.

Water Availability Basin the well(s) are located within: ROGUE R > PACIFIC OCEAN – AB HOG CR (ID# 31530708)

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?

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?

Comments: no surface water sources were evaluated within 1 mile

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.

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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-D	istributed	Wells											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 1 see comments below*													
Well (as CFS	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Interfer	ence CFS	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
(A) = To	otal Interf.	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
(B) = 80	% Nat. Q	1860	2260	2300	2420	2500	1670	1250	1080	1020	1080	1210	1620
(C) = 1	% Nat. Q	18.6	22.6	23.0	24.2	25.0	16.7	12.5	10.8	10.2	10.8	12.1	16.2
(D) =	(A) > (C)	1	7	7	7	4		1	4.5	122	4	2	4
$(\mathbf{E}) = (\mathbf{A}$	/B) x 100	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %

(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.

		imflow for the given WAB for all months so PSI under OAR 690-0090 is not assumed.
C4b.	690-09-040 (5) (b) Rights Section.	The potential to impair or detrimentally affect the public interest is to be determined by the Water
C5.	under this permit ca	oned , the surface water source(s) can be adequately protected from interference, and/or groundwater use in be regulated if it is found to substantially interfere with surface water: "mit should contain condition #(s)

C6. **SW / GW Remarks and Conditions:** The applicant's proposed POA has be found to be hydraulically connected to surface water – specifically the Rogue River – at a distance of over 1 mile. However, the maximum rate of appropriation is less than 1% of the monthly 80% Natural Streamflow so Potential for Substantial Interference is not assumed per OAR 690-009

ii. The permit should contain special condition(s) as indicated in "Remarks" below:

References Used:

Hladky, F. R. 1992. Geology and Mineral Resources Map of the Shady Cove Quadrangle, Jackson County, Oregon. Oregon Dept. of Geol. and Mineral Industries. GMS-52.

Oregon Department of Geology and Mineral Industries, Geologic Map of Oregon. http://www.oregongeology.org/geologicmap/

OWRD Well Log Database - Accessed 02/04/2019

Smith, J. G., N. J. Page, M. G. Johnson, B. C. Moring, F. Gray. 1982. *Preliminary Geologic Map of the Medford 1 by 2 Degree Quadrangle, Oregon and California*. USGS Open-file Report 82-955

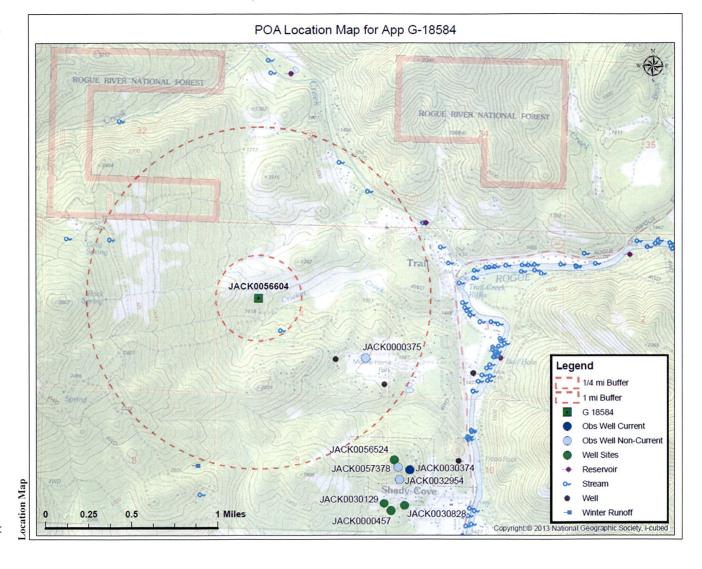
Wiley, T. K. and J. G. Smith. 1993. Preliminary Geologic Map of the Medford East, Medford West, Eagle Point, and Sams Valley Quadrangles, Jackson County, Oregon. Oregon Dept. of Geology and Mineral Industries. OFR O-93-13

D. WELL CONSTRUCTION, OAR 690-200

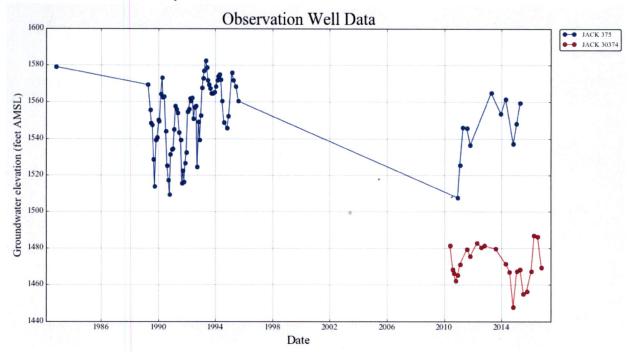
D1.	Well #:	Logid:
D2.	a. review b. field i	does not appear to meet current well construction standards based upon: w of the well log; inspection by;
9	c report	t of CWRE; (specify)
D3.		construction deficiency or other comment is described as follows:
D4.	Route to the	Well Construction and Compliance Section for a review of existing well construction.

Water Availability Tables

			ailability Au etailed Reports	nalysis		
		ROGUE R >	PACIFIC OCEAN - AB ROGUE BASIN	HOG CR		
		Water	Availability as of 2/4/20	19		
Vatershe Date: 2/4	ed ID #: 31530708 (<u>Ma</u> r 4/2019	<u>o</u>)	•		Exceedance Ti	Level: 80% ▼ me: 11:47 AM
Water	Availability Calculation	Consumptive Uses and S	torages Instream	Flow Requirements	Reservation	ons
	Wat	ter Rights		Watershed Cha	aracteristics	
			vailability Calcu			
		Monthly Stre Annual Volum	amflow in Cubic Feet pe e at 50% Exceedance in	er Second n Acre-Feet		
fonth Na		Monthly Stre Annual Volum mptive Uses and Storages Expe	amflow in Cubic Feet pe e at 50% Exceedance in acted Stream Flow Reserve	er Second n Acre-Feet ed Stream Flow Instream F	low Requirement Net	
JAN	1,860.00	Monthly Stre Annual Volum mptive Uses and Storages Expe	amflow in Cubic Feet pe e at 50% Exceedance in ected Stream Flow Reserve	er Second n Acre-Feet ed Stream Flow Instream F 0.00	0.00	947.00
JAN FEB	1,860.00 2,260.00	Monthly Stre Annual Volume mptive Uses and Storages Experience 913.00 1,790.00	amflow in Cubic Feet pe e at 50% Exceedance in ected Stream Flow 947.00 466.00	er Second n Acre-Feet ed Stream Flow Instream F 0.00 0.00	0.00	947.00 466.00
JAN FEB MAR	1,860.00 2,260.00 2,300.00	Monthly Stre Annual Volume mptive Uses and Storages Experience 913.00 1,790.00 1,600.00	amflow in Cubic Feet pe e at 50% Exceedance in ected Stream Flow Reserve 947.00 466.00 704.00	er Second Acre-Feet od Stream Flow 0.00 0.00 0.00	0.00 0.00 0.00	947.00 466.00 704.00
JAN FEB MAR APR	1,860.00 2,260.00 2,300.00 2,420.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00	amflow in Cubic Feet pee at 50% Exceedance in ected Stream Flow 947.00 466.00 704.00 1,380.00	er Second Acre-Feet od Stream Flow 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	947.00 466.00 704.00 1,380.00
JAN FEB MAR APR MAY	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00	amflow in Cubic Feet pee at 50% Exceedance in ected Stream Flow 947.00 466.00 704.00 1,380.00 2,130.00	er Second Acre-Feet od Stream Flow 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	947.0 466.0 704.0 1,380.0 2,130.0
JAN FEB MAR APR MAY JUN	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00	amflow in Cubic Feet per et at 50% Exceedance in ected Stream Flow 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00	er Second 1 Acre-Feet 2 Stream Flow	0.00 0.00 0.00 0.00 0.00 0.00	947.0 466.0 704.0 1,380.0 2,130.0
JAN FEB MAR APR MAY JUN JUL	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00	amflow in Cubic Feet pee at 50% Exceedance in ected Stream Flow 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00	er Second 1 Acre-Feet 2 Stream Flow	0.00 0.00 0.00 0.00 0.00 0.00 0.00	947.0 466.0 704.0 1,380.0 2,130.0 1,380.0 970.0
JAN FEB MAR APR MAY JUN JUL AUG	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00 1,080.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00 266.00	amflow in Cubic Feet per et at 50% Exceedance in Sected Stream Flow 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00	er Second 1 Acre-Feet 2 Stream Flow	0.00 0.00 0.00 0.00 0.00 0.00 0.00	947.0 466.0 704.0 1,380.0 2,130.0 1,380.0 970.0 814.0
JAN FEB MAR APR MAY JUN JUL AUG SEP	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00 1,080.00 1,020.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00 266.00 245.00	amflow in Cubic Feet pee at 50% Exceedance in 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00 775.00	er Second 1 Acre-Feet 2 Stream Flow	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	947.0 466.0 704.0 1,380.0 2,130.0 1,380.0 970.0 814.0 775.0
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00 1,080.00 1,020.00 1,080.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00 266.00 245.00 227.00	amflow in Cubic Feet pee at 50% Exceedance in 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00 775.00 853.00	er Second 1 Acre-Feet 2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	947.0(466.0(704.0) 1,380.0(2,130.0(1,380.0) 970.0(814.0(775.0(853.0)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00 1,080.00 1,080.00 1,080.00 1,210.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00 266.00 245.00 227.00 266.00	amflow in Cubic Feet pee at 50% Exceedance in 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00 775.00 853.00 944.00	er Second 1 Acre-Feet 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00 775.00 853.00
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	1,860.00 2,260.00 2,300.00 2,420.00 2,500.00 1,670.00 1,250.00 1,080.00 1,020.00 1,080.00	Monthly Stre Annual Volume mptive Uses and Storages 913.00 1,790.00 1,600.00 1,040.00 369.00 291.00 280.00 266.00 245.00 227.00	amflow in Cubic Feet pee at 50% Exceedance in 947.00 466.00 704.00 1,380.00 2,130.00 1,380.00 970.00 814.00 775.00 853.00	er Second 1 Acre-Feet 2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	947.0 466.0 704.0 1,380.0 2,130.0 1,380.0 970.0 814.0 775.0



Water-Level Trends in Nearby Wells



MEMO

of O

To:

Kristopher Byrd, Well Construction and Compliance Section Manager

From:

Joel Jeffery, Well Construction Program Coordinator

Subject:

Review of Water Right Application G-18584

Date:

February 8, 2019

The attached application was forwarded to the Well Construction and Compliance Section by Water Rights. Mike Toma reviewed the application. Please see Mike's Groundwater Review and the Well Log.

Applicant's Well #1 (JACK 56604): Based on a review of the Well Report, Applicant's Well #1 appears to protect the groundwater resource.

The construction of Applicants Well #1 may not satisfy hydraulic connection issues.

JACK 56604 **JACK 56604**

STATE OF OREGON

WELL I.D. # L 66399 WATER SUPPLY WELL REPORT START CARD # 163430 (as required by ORS 537.765)

histi actions for completing this report are on	me last page of this form.					
(1) LAND OWNER	Well Number	(9) LOCATION O	F WELL by legal	description:		
Name Tommy Scott		CountyJacks	OnLatitude	L	ongitude	
Addition	egon zip 97541		N or S Range			WM.
	egon zip 37341	Section 5			1/4	
(2) TYPE OF WORK ☑ New Well ☐ Deepening ☐ Alteration (repair	(recondition)		LotBloc			
	Addition) Additionnent	Street Address of V	Well (or nearest address	1469 1	Madera	
(3) DRILL METHOD: ☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Ai		(10) CTATEC NATE	CD I DVDI			
Other	iger	(10) STATIC WAT	elow land surface.		Date 1/	8/04
(4) PROPOSED USE:			lb. per	square inch		
△ Domestic	Irrigation	(11) WATER BEAL		oquare men		
☐ Thermal ☐ Injection ☐ Livestock ☐				185		
(5) BORE HOLE CONSTRUCTION:		Depth at which water	was first found	103		
Special Construction approval ☐ Yes ☒ No Dep		From	То	Estimated F	Flow Rate	SWL
Explosives used Yes No Type	Amount	185	190	2		180
HOLE SEAL	To Cook or assessed					
Diameter From To Material From 10 0 18 Bentonite 0	To Sacks or pounds	215	220	28	8	180
5 18 225						
		(12) WELL LOG:				
How was seal placed: Method A	$B \square C \square D \square E$	Grou	and Elevation			
MOther Dry Poured	Material	Mate	rial	From	То	SWL
Backfill placed fromft. toft. Gravel placed fromft. toft.	Size of gravel	Brown Clay		0	5	1
(6) CASING/LINER:	Size of glaver	Brown Clay			+ -	
Diameter From To Gauge Steel	Plastic Welded Threaded	Consolidat	ed Basalt	5	225	
Casing: $6 +2 18 250 \times$		Very Fract				
Liner: 4 0 225160	x					
Drive Shoe used Inside Outside None		_			-	1
Final location of shoe(s) 18					-	
(7) PERFORATIONS/SCREENS:					 	+
▶ Perforations		5505			+	-
	Material	RECEI	VED		 	++
From To size Number Diameter	Tele/pipe size Casing Liner					
205 225 \frac{1}{4} \text{X6} 100		JAN 15	2004			
		WATER RESOUR				
		SALEM, OR	EGUN			
(8) WELL TESTS: Minimum testing tim	e is 1 hour	Date started 1/8/	'04 Con	npleted 1/8	/04	
	Flowing	(unbonded) Water Wel	l Constructor Certifi	cation:		
☐ Pump ☐ Bailer ★ Air Yield gal/min ☐ Drawdown Drill ste	☐ Artesian m at Time		k I performed on the			
	15 1 hr.	ment of this well is in co standards. Materials use				
	73	knowledge and belief.	1 A		12	
		Signed Much	rael / cen	WWC Nur	mber	12/04
Temperature of water 58 Depth Artesis		(bonded) Water Well C			Jaic/_	/ 47
remperature of water	n Flow Found		ty for the construction		handonment	work
Was a water analysis done? ☐ Yes By who Did any strata contain water not suitable for inten		performed on this well d	luring the construction	dates reported a	above. All wo	ork
☐ Salty ☐ Muddy ☐ Odor ☐ Colored		performed during this tin	me is in compliance w	ith Oregon water	r supply well	helief
Depth of strata:	_ Galot	construction standards.	is tue to the			
		Signed // UCA	ack /10	100	Date 1/	12/04

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

WELL I.D. # L START CARD # AND ADDRESS OF THE START ADDRESS OF TH	ACK 56694	
	KII. / II.	WELL I.D. # L 100 2 90
	nis form.	START CARD #

Address City	(1) LAND OW	/		Well Nu	mber		F WELL by lega Latitude		ongitude	
Section 14	Address	J. 100				1				
Compared Community Completed Well Depth of Completed Well Depth of Size of gravel Dispect from			State	*. 1	Zip					
Signature Community Industrial Irrigation Date Artesian pressure Ihe per square inch Date III WATER BEARING ZONES: Depth at which water was first found Special Construction approval Yes No Depth of Completed Well From To Estimated Flow Rate SW Explosives used Section Size of gravel Size of	(2) TYPE OF V	WORK		r/recondit	ion) Abandonment	Tax Lot	_LotBlo	ockS	bubdivision _	
Ohre Ohreman Injection Livestock Other	(3) DRILL ME	ETHOD:					1/L.			
Donestic Community Industrial Irrigation	_	Rotary Mud	☐ Cable ☐ A	uger					Date	\$-
Depth at which water was first found Depth at water analysis done Depth at water was first	1, 1		Industrial	Imigatio				square inch	Date	
Completed Well										
Special Construction approval Yes No Depth of Completed Well ft. Explosives used Yes No Ny Pe Amount						Depth at which water	was first found	1 .		
Explosives used response to the first of t				oth of Co	ompleted Wellf		1		Flow Rate	SWL
Diameter From To Material From To Sacks or pounds How was seal placed: Method A B C D E	Explosives used	☐ Yes ☐ No T	`ype	A	mount	- 1 : -	,			177 42
How was seal placed: Method A B C D E			SEAL							
How was seal placed: Method A B C D E				To	Sacks or pounds	2.1.	- 3a	2	J.	1
Now was seal placed: Method A B C D E	À									
How was seal placed: Method A B C D E	12 12 2	225								
Other Backfill placed from						(12) WELL LOG:				
Backfill placed fromft. toft. Material					C D D E	Gro	ound Elevation			
Gravel placed fromft_ toft_ Size of gravel					al	Mat	erial	From	To	SWL
Casing:	•					-			+	1000
Diameter From To Gauge Steel Plastic Welded Threaded Casing: Liner: Drive Shoe used Inside Outside None Final location of shoe(s); (7) PERFORATIONS/SCREENS: Perforations Method Screens Slot Telepipe Slot From To size Number Diameter size Casing Liner Was a Water analysis done? Yes By whom Did any strata contain water not suitable for intended use? Slot Saltem, OR Depth of strata: Depth of strata: Diameter From To Gauge Steel Plastic Welded Threaded Depth of strata: Water analysis Plastic Casing Liner Basiler Air Artexian Did any strata contain water not suitable for intended use? Saltem, OR Date started Completed Complete				5120 01	giuvei	=			1	1
Casing: Liner:	Diameter	From To	Gauge Steel	Plastic	Welded Threaded	CO.M. Li		';	175	
Drive Shoe used Inside Outside None	Casing:	1+2 0.00	C							
Drive Shoe used Inside Outside None Final location of shoe(s)										
Drive Shoe used Inside Outside None										
Drive Shoe used Inside Outside None Final location of shoe(s)		+								
Drive Shoe used Inside Outside None Final location of shoets	Liner:									
Final location of shoe(s)	Drive Chee used	□ Inside □ O	utaida 🗆 Nana							
Perforations										
Perforations			ENS:			-	RECEIV	VED BY O	WRD.	
Screens Type Material MAR 2 4 2017						_				-
SALEM, OR SALE	☐ Screens	Type _		Ma	terial	_		D 6 4 2047		
SALEM, OR	F T-		Di				M <i>F</i>	K Z 4 ZUI/	-	
(8) WELL TESTS: Minimum testing time is 1 hour Pump	2 10 10 10 10 1	, size Numb	er Diameter	size	Casing Liner				-	-
(8) WELL TESTS: Minimum testing time is 1 hour Pump							S	ALEM, OR	-	
Date started										-
Date started Completed									+	
Pump						Data started	C-			
Pump	(8) WELL TES	TS: Minimu	m testing tim	e is 1 h				mpieteu		
Temperature of water Depth Artesian Flow Found Did any strata contain water not suitable for intended use? Too little Salty Muddy Odor Colored Other Depth of strata; WWC Number Strata; WWC Number WWC Number Strata; WWC Number WWC Number Signed Date Signed Date Signed Date Signed Date Depth of strata; WWC Number Signed Date	☐ Pump	☐ Bailer	☐ Air			,				
Temperature of water Depth Artesian Flow Found Signed Date	Yield gal/min	Drawdown	Drill sto	em at	Time	ment of this well is in c	ompliance with Orego	on water supply w	ell constructi	ion
Temperature of water Depth Artesian Flow Found					l hr.	standards. Materials us	ed and information rep	ported above are t	rue to the bes	st of my
Temperature of water Depth Artesian Flow Found (bonded) Water Well Constructor Certification: Was a water analysis done?								WWC Nu	mber	
Temperature of water Depth Artesian Flow Found (bonded) Water Well Constructor Certification: Was a water analysis done?						Signed	<u> </u>		Date	2/6
Was a water analysis done?	Temperature of wa	ater	Depth Artesi	an Flow	Found					
Did any strata contain water not suitable for intended use?							ity for the construction	on, alteration, or a	bandonment	work
Salty Muddy Odor Colored Other Construction standards. This report is true to the best of my knowledge and belief.						performed on this well	during the construction	on dates reported a	bove. All wo	rk
Depth of strata:	-					construction standards.	This report is true to	the best of my kno	owledge and l	belief.
Signed Date	Depth of strata:							WWC Nu	mber	
						Signed			Date	