Groundwater Transfer Review Summary Form

Transfer/PA # T- <u>13371</u>	
GW Reviewer <u>Gerald H. Grondin</u>	Date Review Completed: <u>26 March 2021</u>
Summary of Same Source Review:	
☐ The proposed change in point of appropriation 2110(2).	is not within the same aquifer as per OAR 690-380-
Summary of Injury Review:	
	sting water right not receiving previously available ficant interference with a surface water source as per
Summary of GW-SW Transfer Similarity Review:	
☐ The proposed SW-GW transfer doesn't meet the	e definition of "similarly" as per OAR 690-380-2130.
☑ None of the Above	
This is only a summary. Documentation is attached basis for determinations.	and should be read thoroughly to understand the

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	VATER RESOURCES DEPARTMENT	725 Saler (503)			⊠ Water Rig □ Permit Ar □ GR Modif □ Other	nendment
App	olication: T-	13371		Applicant Name:	Buck Church / Cl	hurch Family Farms, Inc.
Proj	posed Chang	ges:	☑ POA☐ USE	⊠ APOA ⊠ POU	□ SW→GW □ OTHER	\square RA
Rev	riewer(s):	Geralo	l H. Gron	<u>din</u>	Date of	of Review: 26 March 2021
				Date Reviewed	l by GW Mgr. and	Returned to WRSD: JTI 3/ 31/21
	informatior sfer may be	-			ufficient to evaluat	e whether the proposed
	The water vaffected by			vided with the app	lication do not corr	respond to the water rights
						tion of the well construction or proposed to be developed.
	Other	_				
1.	This transfe attached tal Certifica 205.20 acre T27S/R17E 31 & 32 res Certifica	nsfer a r applole als te 527 s both -sec 31 pective	of the character of the	nnges proposed in relates to three voposes changes in I nal POA well and R17E-sec 32. The two APOA wells I nal POA well and I	this transfer:vater right certifica POU, POA, and APO POU acreage affect proposed change it AKE 50380 and La	otes 52784, 94834, and 94835. OA as follows (summarized in eted are well LAKE 1077 and s to move 2.50 POU acres to AKE 52371 in T27S/R17E-sec et are well LAKE 675 (LAKE posed change is to change the
				26S/R18E-sec 31.		
	676 deepeni	ng) ar	d 35.48 ac	res both in T26S/R	18E-sec 29. The pr	ed are well LAKE 675 (LAKE oposed change is to move 6.70 XE 687 in T26S/R18E-sec 31.

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Essentially yes, the "same aquifer" (source) given the same groundwater system will like
be tapped despite the authorized and proposed POA and APOA wells are constructed to varying
depths and tap varying geologic units (see attached well logs). Long term groundwater levels at wells in the vicinity of the currently authorized at
proposed POA and APOA locations have similar elevations, seasonally fluctuate similarly, as
show the same long-term trends (see attached hydrograph) despite being completed at varyidepths and different geologic units.
Additionally, groundwater in the Fort Rock Valley-Christmas Valley area (Fort Rock States) is identified as a single groundwater system. Groundwater is found in both
shallower predominantly basin-fill sediment unit and a deeper predominantly volcanic roc and sediments unit below. The predominantly basin fill sediment unit and the predominant
volcanic rocks and sediment unit both readily yield groundwater and the two units a
hydraulically connected. The geologic unit yielding groundwater to the authorized POA (LAK 176) is likely from the predominantly volcanic rocks and sediment unit. The proposed POA w
(LAKE 745) appears to obtain groundwater from the predominantly basin fill sediment unit.
Miller (1984 and 1986) describes the groundwater source as the main groundwater reservo
That reservoir includes groundwater in different geologic units. The reservoir has three characteristics. First, the "natural" groundwater level changes less than 1.5 feet annual
indicating the system is highly modulated. Second, the 1980s potentiometric surface w
approximately 4292 feet elevation amsl basin-wide with Silver Lake an exception. Third, t
reservoir consists of numerous water producing zones in several formations, all having essentially common potentiometric level, and all being very transmissive in general.
essentiany common potentiometric level, and an being very transmissive in general.
a) Is there more than one source developed under the right (e.g., basalt and alluvium
☐ Yes No
Essentially no. Single hydraulically connected groundwater system. See discussion in pa
2 above.
b) If yes, estimate the portion of the right supplied by each of the sources and describe a

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5.

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f use, likely result in an increase	

	this proposed change, at its maximum allowed rate of use, likely result in an increference with another ground water right ?
	No Comments:
groundy the inte 0.20 feet to a low acreage	proposed POA well change NE of Christmas Valley in T26S/R18E-sec 29 & 31 will mowater pumping closer to a different groundwater right POA well (LAKE 685). Initial reference will be greater in the first 30 days of pumping (drawdown increase less that), but the interference will be less than originally by the end of the irrigation season over pumping rate and less total volume due to decreased acreage irrigated with the Poet change. The water right well LAKE 685 should be able to accommodate the season over pumping.
groundy calculat right we at wells	proposed POA well change SW of Christmas Valley in T27S/R17E-sec 31 & 32 will mowater pumping closer to a different groundwater right POA well (unidentified). Ited maximum additional seasonal groundwater level drawdown at the unidentified water list 2.50 feet or less. The change in seasonal groundwater level drawdown will be a further away. All these water right wells should be able to accommodate the season was change.
The	long-term impact on the groundwater system should be the same. That impact is
continu	e contributing its ongoing share to the annual Fort Rock Classified Area groundwa
<u>level de</u> per yeai	cline (see the attached hydrographit shows an annual decline rate of about 0.25 f r).
☐ Yes See d	No If yes, explain:
in interf	this proposed change, at its maximum allowed rate of use, likely result in an increference with another surface water source ? No Comments:
Paulina greater	The POA changes moves pumping closer to surface water particularly Silver Lake a Marsh. The seasonal drawdown at Silver lake and Paulina Marsh is calculated to by about 0.35 and 0.25 feet respectively by the end of the irrigation season. The lotterference should be the same.
	s, at its maximum allowed rate of use, what is the expected change in degree of tence with any surface water sources resulting from the proposed change?
	: Silver Lake
	E Paulina Marsh
see c	comment in part 5a above.

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water so	GW transfers, will the proposed change in point of diversion affect the surface urce similarly (as per OAR 690-380-2130) to the authorized point of diversion in the water use subject to transfer? No Comments:
Not A	pplicable. No SW-GW transfer.
	nditions or other changes in the application are necessary to address any potential entified above:
Note:	the proposed transfer is within the Fort Rock groundwater limited area.
"Large flow meter or meter or	rules and statutes. This technical groundwater review relies on other appropriate and red Department staff to make that determination. ge" flow meter condition for any proposed "To" POA and/or APOA well. Require the reformany POA and/or APOA well to be properly installed and maintained. Each meter reither within 50 feet of the well head with a clearly visible monument adjacent to the result has installed for each mater and a clearly visible monument adjacent to the result has installed for each material and a clearly visible monument adjacent to the result has installed for each material and a clearly visible monument adjacent to the result has installed for each material and a clearly visible monument adjacent to the result has installed for each material and a clearly visible monument adjacent to the result has installed for each material and a clearly visible monument adjacent to the result has a surveyed by the result has a s
	all be installed for each meter more than 50 feet from the well head. ition 7P (well tag condition) for all the "To" and "From" POA wells.
configure electric-t that allow Otherwise	ition 7T (modified) for all "To" POA wells: "Prior to use, all POA wells shall be ed to allow a strictly clean water (no oil) static water level measurements with an ape. That can include measurement access via an unobstructed vertical discharge pipe we the groundwater level to fluctuate freely within the discharge pipe (no valves, etc.). se, a dedicated measuring tube must be installed prior to use. The tube must be acted, have a diameter of \(^3\)4 inch (0.75 inch) or greater, and pursuant to figure 200-5 in 0-200."
Any add	itional comments:
No ad	ditional comments.

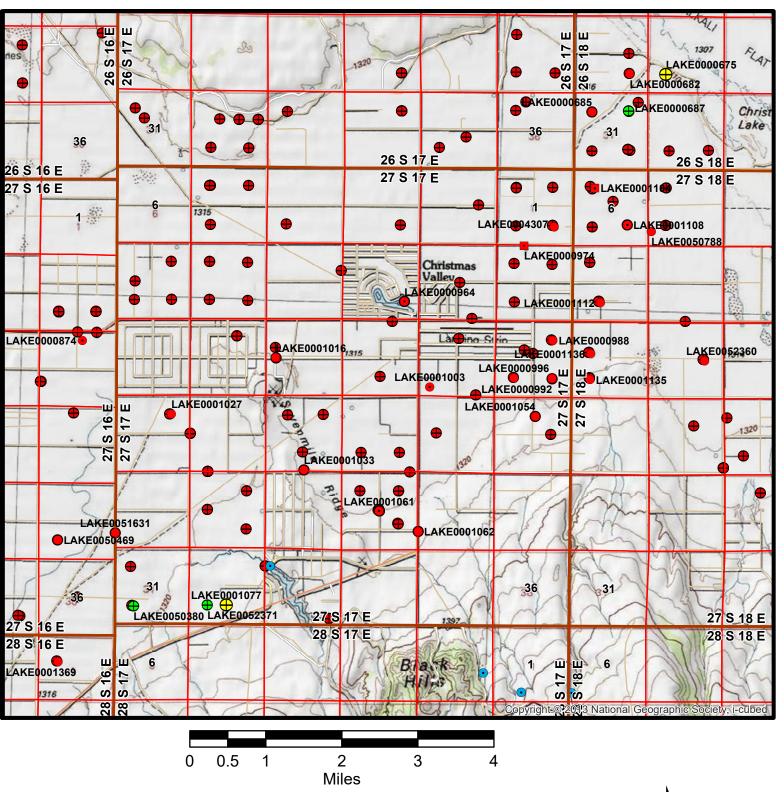
References:

Miller, D.W., 1986, Appraisal of ground-water conditions in the Fort Rock Basin, Lake County, Oregon: Oregon Water Resources Department, Ground Water Report No. 31, 196 p and plates.

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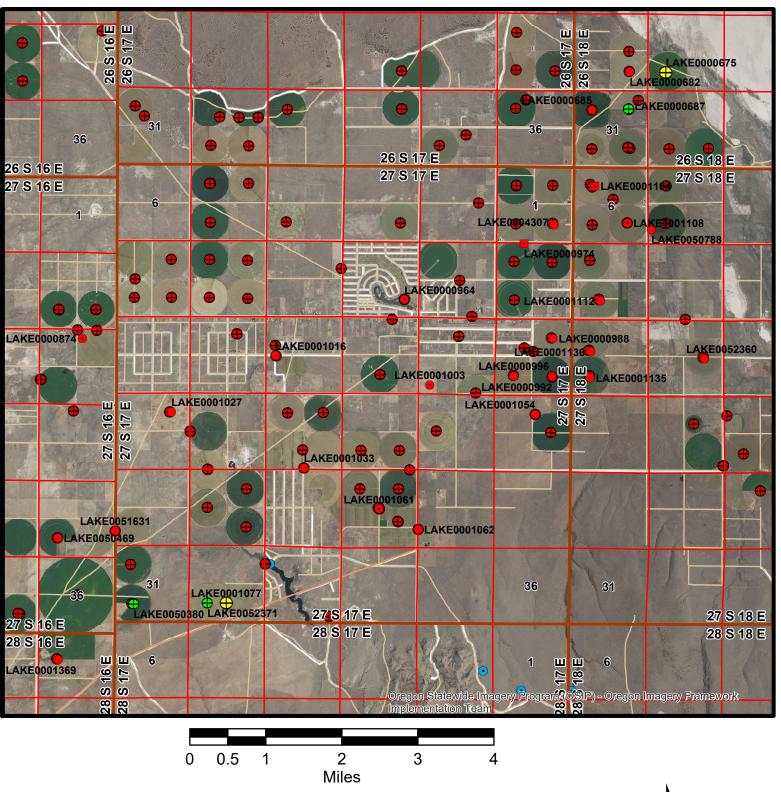
Groundwater Transfer Application T-13371 Buck Church / Church Family Farms, Inc.



Yellow = Authorized POA Wells Green = Proposed POA / APOA Wells Red = Groundwater PODs or Other Wells Blue = Surface Water PODs



Groundwater Transfer Application T-13371 Buck Church / Church Family Farms, Inc.



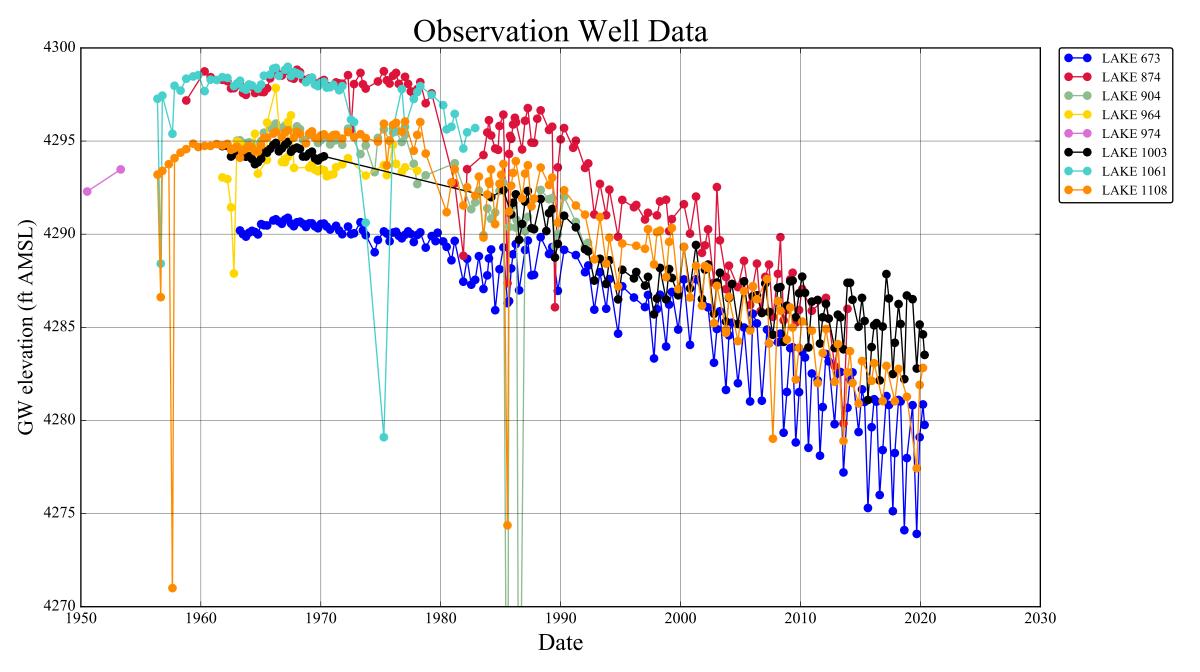
Yellow = Authorized POA Wells Green = Proposed POA / APOA Wells Red = Groundwater PODs or Other Wells Blue = Surface Water PODs



T_13371_Church_Fort_Rock_Valley_proposed_pumping_changes

Fr	om Wells	Location	Certific	ate & POU	Acres	Total Area	Total Volume	Max Rate	Pro- Rated	Open Interval Lithology	Total Depth	Static GW Level	Land Elevation	Static GW Level	Date
Original	Deepening	TRS	52784	94835	94834	(acres)	(ac-ft/yr)	(cfs)	(cfs)	5 ,	(feet)	(ft blsd)	(ft amsl)	(ft amsl)	
LAKE 1077		T27S/R17E-sec 32	205.200			205.20	615.60	2.57	1.27	Volcanic rock & seds	190	79.00	4,372.18	4,293.18	03/13/1978
LAKE 675	LAKE 676	T26S/R18E-sec 29		35.480	5.100	40.58	121.74	0.51	0.25	basin fill & volcanics	569	16.50	4,316.01	4,299.51	05/22/1981
						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	
	Totals		205.200	35.480	5.100	245.78	737.34	3.07	1.52						•

						Total	Total	Max	Pro-	Open Interval	Total	Static	Land	Static	
То	Wells		Certific	ate & POU	Acres	Area	Volume	Rate	Rated	Lithology	Depth	GW Level	Elevation	GW Level	Date
Original	Deepening		52784	94835	94834	(acres)	(ac-ft/yr)	(cfs)	(cfs)		(feet)	(ft blsd)	(ft amsl)	(ft amsl)	
LAKE 52371		T27S/R17E-sec 32	202.700			202.70	608.10	2.53	1.25	volcanic rocks	162	77.00	4,361.18	4,284.18	03/14/2012
LAKE 50380		T27S/R17E-sec 31	2.500	6.700		9.20	27.60	0.12	0.06	volcanic rocks & seds	165	35.00	4,321.85	4,286.85	02/04/1997
LAKE 687		T26S/R18E-sec 31		28.780	5.100	33.88	101.64	0.42	0.21	basin fill & volcanic seds	461	18.50	4,316.11	4,297.61	05/01/1980
						0.00	0.00	0.00	0.00					0.00	
						0.00	0.00	0.00	0.00					0.00	
	Totals		205,200	35.480	5.100	245.78	737.34	3.07	1.52						



Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
T	T	Coefficient	Q	Q	t	r				s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
								Note: W(u	calculation v	/alid when u <	7.1		
Nata.								7 0000	4 45455 04				M(n) calculation to at
Note:	yellow grid areas	are wnere value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
"From" POA wells	to Water Right We	II I AKE 685 cle	sest to Proposed	I "To" Well I AKE (687 (Transm	issivity from N	lorgan (198	8) and McFa	rland and Rv	als (1991)): 11:	sed S = 0 001		
TTOIL T OA WOLLD	to trator ragin tre	III EFAILE GOO ON		TO WOIL EARLE	oor (Transmi	loorvity iroin it	iorgan (100		Tidina ana rey		0.001		
112,207.80	15,000.00	0.00100	1,151.25	2.56	30.00	42,720.00	3.14	1.0139	0.2143	0.2520		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	30.00	5,740.00	3.14	0.0183	3.4416	0.8002		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						1.05			· -
"To" POA wells to	Water Right Well I	LAKE 685 close	est to Proposed "1	To" Well LAKE 687	(Transmiss	ivity from Mor	gan (1988)	and McFarla	nd and Ryals	(1991)): Used	S = 0.001		
440.007.00	45.000.00	0.00400	07.50	2.22	22.22	10 105 00	0.11	4.0400	0.0000	0.0070		1 41/5 50074	0 " 0 1 15 11 5 1
112,207.80	15,000.00	0.00100	37.59	0.08	30.00	43,465.00	3.14	1.0496	0.2020	0.0078		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	46,845.00	3.14	1.2191	0.1537	0.0000 0.2520		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,151.25 190.08	2.56 0.42	30.00	42,720.00	3.14 3.14	1.0139	0.2143	0.2520		LAKE 1077 LAKE 687	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,378.92	3.07	30.00	2,535.00	3.14	0.0036	5.0615	1.24	0.1901	LAKE 007	Continuous Pumping at Full Rate
			1,370.92	3.07						1.24	0.1901		
"From" POA wells	to Water Right We	II LAKE 685 cle	osest to Proposed	l "To" Well LAKE (687 (Transm	issivity from N	lorgan (198	8) and McFa	rland and Rv	als (1991)): U:	sed S = 0.001		
	to truto: rught tr				((
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	42,720.00	3.14	1.0139	0.2143	0.1245		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	30.00	5,740.00	3.14	0.0183	3.4416	0.3952		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						0.52			
"To" POA wells to	Water Right Well I	LAKE 685 close	est to Proposed "1	To" Well LAKE 687	(Transmiss	ivity from Mor	gan (1988)	and McFarla	nd and Ryals	(1991)): Used	S = 0.001		
440.007.00	45 000 00	0.00400	40.57	0.04	00.00	40.405.00	0.44	4.0400	0.0000	0.0000		1 AVE 50074	Outilities De Data I.D.
112,207.80	15,000.00	0.00100	18.57	0.04	30.00	43,465.00	3.14	1.0496	0.2020	0.0038		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	46,845.00	3.14	1.2191	0.1537	0.0000		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	42,720.00	3.14	1.0139	0.2143	0.1245		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	30.00	2,535.00	3.14	0.0036	5.0615	0.4852	0.0000	LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52					<u> </u>	0.61	0.0939		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
T	T	Coefficient	Q	Q	t	r	-			s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
								Note: W(u)	calculation v	alid when u <	7.1		
Note:	yellow grid areas a	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
"From" POA wells	to Water Right We	II LAKE 685 clo	sest to Proposed	"To" Well LAKE	687 (Transm	issivity from	Morgan (198	8) and McFa	rland and Rya	als (1991)): Us	sed S = 0.001		
	_									-			
112,207.80	15,000.00	0.00100	1,151.25	2.56	245.00	42,720.00	3.14	0.1241	1.6295	1.9158		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	245.00	5,740.00	3.14	0.0022	5.5257	1.2848		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						3.20			
"To" POA wells to	Water Right Well I	AKE 685 close	st to Proposed "7	o" Well LAKE 687	(Transmiss	ivity from Mo	rgan (1988)	and McFarla	nd and Ryals	(1991)): Used	S = 0.001		
112,207.80	15,000.00	0.00100	37.59	0.08	245.00	43,465.00	3.14	0.1285	1.5990	0.0614		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	46,845.00	3.14	0.1493	1.4686	0.0000		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,151.25	2.56	30.00	42,720.00	3.14	1.0139	0.2143	0.2520		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	245.00	2,535.00	3.14	0.0004	7.1584	1.3896		LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						1.70	-1.4976		
"From" POA wells	to Water Right We	II LAKE 685 clo	sest to Proposed	I "To" Well LAKE	687 (Transm	issivity from	Morgan (198	8) and McFa	rland and Rya	als (1991)): Us	sed S = 0.001		
112,207.80	15,000.00	0.00100	568.58	1.27	245.00	42,720.00	3.14	0.1241	1.6295	0.9462		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	245.00	5,740.00	3.14	0.0022	5.5257	0.6345		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						1.58			
"To" POA wells to	Water Right Well I	AKE 685 close	st to Proposed "7	To" Well LAKE 687	7 (Transmiss	ivity from Mo	rgan (1988)	and McFarla	nd and Ryals	(1991)): Used	I S = 0.001		
	-												
112,207.80	15,000.00	0.00100	18.57	0.04	245.00	43,465.00	3.14	0.1285	1.5990	0.0303		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	46,845.00	3.14	0.1493	1.4686	0.0000		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	42,720.00	3.14	1.0139	0.2143	0.1245		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	245.00	2,535.00	3.14	0.0004	7.1584	0.6863		LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52						0.84	-0.7396		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
Т	T	Coefficient	Q	D	t	r				8	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
									<u> </u>				
								Note: W(u)	calculation v	alid when u <	7.1		
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
													, ,
"From" POA wells	to Water Right We	II closest to Pr	oposed "To" Well	LAKE 50380 (Trai	nsmissivity	from Morgan (1988) and I	/IcFarland an	d Ryals (1991)): Used S = (0.001		
112,207.80	15,000.00	0.00100	1,151.25	2.56	30.00	7,160.00	3.14	0.0285	3.0096	3.5384		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	30.00	50,405.00	3.14	1.4115	0.1142	0.0266		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						3.56			
"To" POA wells to	Water Right Well	closest to Prop	osed "To" Well LA	AKE 50380 (Transr	missivity fro	m Morgan (198	88) and McI	arland and F	Ryals (1991)):	Used S = 0.0	01		
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	5,965.00	3.14	0.0198	3.3662	0.0000		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	30.00	2,740.00	3.14	0.0042	4.9066	5.9571		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	7,160.00	3.14	0.0285	3.0096	0.0000		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	30.00	46,860.00	3.14	1.2199	0.1535	0.0298		LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						5.99	2.4219		
"From" POA wells	to Water Right We	II closest to Pr	oposed "To" Well	LAKE 50380 (Trai	nsmissivity	from Morgan (1988) and I	/cFarland an	ıd Ryals (1991)): Used S = (0.001		
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	7,160.00	3.14	0.0285	3.0096	1.7475		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	30.00	50,405.00	3.14	1.4115	0.1142	0.0131		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						1.76			
"To" POA wells to	Water Right Well	closest to Prop	osed "To" Well LA	AKE 50380 (Transr	missivity fro	m Morgan (198	88) and McI	Farland and F	Ryals (1991)):	Used S = 0.0	01		
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	5,965.00	3.14	0.0198	3.3662	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	30.00	2,740.00	3.14	0.0042	4.9066	2.9421		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	7.160.00	3.14	0.0285	3.0096	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	30.00	46,860.00	3.14	1.2199	0.1535	0.0147		LAKE 687	Continuous Pro-Rated Pumping
,_01100		2.23.00	681.02	1.52	22.00	12,230.00				2.96	1.1961		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
T	Т	Coefficient	Q	Q	t	r				s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
				•									
								Note: W(u)	calculation v	alid when u <	7.1		
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
"From" POA wells	to Water Right We	ell closest to Pr	oposed "To" Well	LAKE 50380 (Tra	nsmissivity 1	rom Morgan	(1988) and N	icFarland an	d Ryals (1991)): Used S = 0	0.001		
112,207.80	15,000.00	0.00100	1,151.25	2.56	245.00	7,160.00	3.14	0.0035	5.0849	5.9783		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	245.00	50,405.00	3.14	0.1728	1.3439	0.3125		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						6.29			
"To" POA wells to	Water Right Well	closest to Prop	osed "To" Well LA	KE 50380 (Transi	missivity fro	m Morgan (19	88) and McF	arland and F	Ryals (1991)):	Used S = 0.0	01		
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	5,965.00	3.14	0.0024	5.4490	0.0000		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	245.00	2,740.00	3.14	0.0005	7.0030	8.5023		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	7,160.00	3.14	0.0285	3.0096	0.0000		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	245.00	46,860.00	3.14	0.1494	1.4680	0.2850		LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						8.79	2.4965		
"From" POA wells	to Water Right We	II closest to Pr	oposed "To" Well	LAKE 50380 (Tra	nsmissivity 1	rom Morgan	(1988) and N	IcFarland an	d Ryals (1991)): Used S = (0.001		
112,207.80	15,000.00	0.00100	568.58	1.27	245.00	7,160.00	3.14	0.0035	5.0849	2.9526		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	245.00	50,405.00	3.14	0.1728	1.3439	0.1543		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						3.11			
"To" POA wells to	Water Right Well	closest to Prop	osed "To" Well LA	KE 50380 (Transi	missivity fro	m Morgan (19	88) and McF	arland and F	Ryals (1991)):	Used S = 0.0	01		
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	5,965.00	3.14	0.0024	5.4490	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	245.00	2,740.00	3.14	0.0005	7.0030	4.1991		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	7,160.00	3.14	0.0285	3.0096	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	245.00	46,860.00	3.14	0.1494	1.4680	0.1407		LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52						4.34	1.2330		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
Т	T	Coefficient	Q	Q	t	r				s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
								Noto : W/u) calculation v	alid whon u c	7.1		
								Note: w(u	Calculation	aliu when u <	7.1		
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
			(1000)			1,, 1, 1,							
"From" POA wells	to Silver Lake (Tra	ansmissivity fro	m Morgan (1988)	and McFarland ar	nd Ryals (19	91)): Used S =	0.001						
112,207.80	15.000.00	0.00100	1,151.25	2.56	30.00	42,900.00	3.14	1.0225	0.2113	0.2484		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	30.00	90,050.00	3.14	4.5050	0.0021	0.0005		LAKE 675	Continuous Pumping at Full Rate
	·		1,378.92	3.07		Í				0.25			, ,
•													
"To" POA wells to	Silver Lake (Trans	missivity from I	Morgan (1988) and	McFarland and F	Ryals (1991))	: Used S = 0.0	01						
112.207.80	15.000.00	0.00100	0.00	0.00	30.00	41.845.00	3.14	0.9728	0.2297	0.0000		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	30.00	37,845.00	3.14	0.9726	0.2297	0.3800		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15.000.00	0.00100	0.00	0.00	30.00	42,900.00	3.14	1.0225	0.2113	0.0000		LAKE 30380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	30.00	86,375.00	3.14	4.1448	0.0032	0.0006		LAKE 687	Continuous Pumping at Full Rate
112,207.00	10,000.00	0.00100	1,378.92	3.07	00.00	00,070.00	0.11	1.1110		0.38	0.1317	Little 001	Continuous i umping at i aii i tato
			,										
"From" POA wells	to Silver Lake (Tra	nsmissivity fro	m Morgan (1988)	and McFarland ar	nd Ryals (19	91)): Used S =	0.001						
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	42,900.00	3.14	1.0225	0.2113	0.1227		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	30.00	90,050.00	3.14	4.5050	0.0021	0.0002		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						0.12			
"To" POA wells to	Silver Lake (Trans	missivity from I	Morgan (1988) and	McFarland and F	2vale (1991)	. Used S = 0.0	01						
10 1 OA Wells to	Oliver Lake (Trails	illissivity iroili	viorgan (1500) and	i wici ariana ana i	(yais (1551))	. 0300 0 - 0.0							
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	41,845.00	3.14	0.9728	0.2297	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	30.00	37,845.00	3.14	0.7957	0.3130	0.1877		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	42,900.00	3.14	1.0225	0.2113	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	30.00	86,375.00	3.14	4.1448	0.0032	0.0003		LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52						0.19	0.0651		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
T	T	Coefficient	Q	Q	t	r			` ,	s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
, ,	, , ,		,,,	, ,	, , ,	` '				, ,	ì		
								Note: W(u)	calculation v	alid when u <	7.1		
								· ·					
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
													• •
"From" POA wells	to Silver Lake (Tra	nsmissivity fro	m Morgan (1988)	and McFarland ar	nd Ryals (199	91)): Used S	= 0.001						
112,207.80	15,000.00	0.00100	1,151.25	2.56	245.00	42,900.00	3.14	0.1252	1.6220	1.9070		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	245.00	90,050.00	3.14	0.5516	0.5017	0.1166		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						2.02			
"To" POA wells to	Silver Lake (Transı	missivity from I	Morgan (1988) and	McFarland and F	Ryals (1991))	: Used S = 0.	001						
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	41,845.00	3.14	0.1191	1.6661	0.0000		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	245.00	37,845.00	3.14	0.0974	1.8465	2.2418		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	42,900.00	3.14	1.0225	0.2113	0.0000		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	245.00	86,375.00	3.14	0.5075	0.5507	0.1069		LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						2.35	0.3251		
"From" POA wells	to Silver Lake (Tra	ınsmissivity fro	m Morgan (1988)	and McFarland ar	nd Ryals (199	91)): Used S	= 0.001						
112,207.80	15,000.00	0.00100	568.58	1.27	245.00	42,900.00	3.14	0.1252	1.6220	0.9418		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	245.00	90,050.00	3.14	0.5516	0.5017	0.0576		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						1.00			
"To" POA wells to	Silver Lake (Transı	missivity from I	Morgan (1988) and	McFarland and F	Ryals (1991))	: Used S = 0.	001						
								1					
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	41,845.00	3.14	0.1191	1.6661	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	245.00	37,845.00	3.14	0.0974	1.8465	1.1072		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	42,900.00	3.14	1.0225	0.2113	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	245.00	86,375.00	3.14	0.5075	0.5507	0.0528		LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52						1.16	0.1605		

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
Т	Т	Coefficient	Q	D	t	r				s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
								Note: W(u	calculation v	alid when u <	7.1		
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
"F" DO 4	to Double - Month	(T		20) 14 - 5		(4004))	0 - 0 004						
"From" POA Wells	to Paulina Marsh	(i ransmissivity	/ from worgan (19	88) and McFarland	and Ryais	(1991)): Usea	S = 0.001						
112.207.80	15.000.00	0.00100	1.151.25	2.56	30.00	59.075.00	3.14	1.9388	0.0532	0.0626		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	30.00	102.475.00	3.14	5.8340	0.0004	0.0020		LAKE 675	Continuous Pumping at Full Rate
112,207.00	15,000.00	0.00100	1.378.92	3.07	30.00	102,475.00	3.14	5.6540	0.0004	0.06		LAKE 075	Continuous Fumping at Full Nate
			1,570.52	3.07						0.00			
"To" POA wells to	Paulina Marsh (Tr	ansmissivity fr	om Morgan (1988)	and McFarland a	nd Rvals (19	91)): Used S =	: 0 001						
TO TOA WOND TO	T dullia Maron (11	anomioorrity ii	om morgan (1000)	ana mor anana a	ila ityalo (io	1777. 00000	0.001						
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	57,810.00	3.14	1.8567	0.0597	0.0000	1	LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	30.00	52,930.00	3.14	1.5564	0.0920	0.1117		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	59,075.00	3.14	1.9388	0.0532	0.0000		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	30.00	98,940.00	3.14	5.4384	0.0007	0.0001		LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						0.11	0.0491		· -
"From" POA wells	to Paulina Marsh	(Transmissivity	from Morgan (19	88) and McFarland	and Ryals	(1991)): Used	S = 0.001						
									1				
112,207.80	15,000.00	0.00100	568.58	1.27	30.00	59,075.00	3.14	1.9388	0.0532	0.0309		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	30.00	102,475.00	3.14	5.8340	0.0004	0.0000		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						0.03			
"Ta" DOAalla 4a	Davilina Manah (Tu		Manage (4000)	and Maranana	nd Divola (40	104)\\. H==d C =	0.004						
"To" PUA Wells to	Paulina Marsh (Tr	ansmissivity tr	om Morgan (1988)	and Micharland al	na Ryais (19	91)): Usea S =	0.001						
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	57,810.00	3.14	1.8567	0.0597	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	30.00	52,930.00	3.14	1.5564	0.0920	0.0552		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	59.075.00	3.14	1.9388	0.0532	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	30.00	98,940.00	3.14	5.4384	0.0007	0.0001		LAKE 687	Continuous Pro-Rated Pumping
	.0,000.00	0.00.00	681.02	1.52	00.00	20,0.0.00	V	0001	0.000.	0.06	0.0243		
		1	******			1		1	1		J.JJ	1	

Transmissivity	Transmissivity	Storage	Pumping Rate	Pumping Rate	Time	Distance	pi	u	W(u)	Drawdown	Drawdown	Well	Comments
T	T	Coefficient	Q	Q	t	r				s	Change s		
(gpd/ft)	(ft2/day)	S	(gal/min)	(ft3/sec)	(days)	(feet)				(feet)	(feet)		
								Note: W(u) calculation v	/alid when u <	7.1		
N								7 0000	4 45 455 04				14//>
Note:	yellow grid areas	are where value	es are calculated					7.0000	1.1545E-04				W(u) calculation test
"From" POA wells	to Paulina Marsh	(Transmissivity	from Morgan (19	88) and McFarland	and Ryals	(1991)): Used	S = 0 001						
		(1141101111001111)				(1001)). 0000	<u> </u>						
112,207.80	15,000.00	0.00100	1,151.25	2.56	245.00	59,075.00	3.14	0.2374	1.0848	1.2754		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	227.67	0.51	245.00	102,475.00	3.14	0.7144	0.3638	0.0846		LAKE 675	Continuous Pumping at Full Rate
			1,378.92	3.07						1.36			· -
"To" POA wells to	Paulina Marsh (Tr	ansmissivity fr	om Morgan (1988)	and McFarland a	nd Ryals (19	91)): Used S	= 0.001						
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	57,810.00	3.14	0.2273	1.1191	0.0000		LAKE 52371	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	1,188.84	2.65	245.00	52,930.00	3.14	0.1906	1.2623	1.5326		LAKE 50380	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	59,075.00	3.14	1.9388	0.0532	0.0000		LAKE 1077	Continuous Pumping at Full Rate
112,207.80	15,000.00	0.00100	190.08	0.42	245.00	98,940.00	3.14	0.6659	0.3990	0.0774 1.61	0.2501	LAKE 687	Continuous Pumping at Full Rate
			1,378.92	3.07						1.61	0.2501		
"From" POA wells	to Paulina Marsh	(Transmissivity	from Morgan (19	88) and McFarland	and Ryale	(1991)): Ilead	S = 0.001						
TTOM TOA WENS	to r dullila Marsir	(Transmissivity	i i i i i i i i i i i i i i i i i i i		a ana ityais	(1331)). 0360	0 - 0.001						
112,207.80	15,000.00	0.00100	568.58	1.27	245.00	59,075.00	3.14	0.2374	1.0848	0.6299		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	112.44	0.25	245.00	102,475.00	3.14	0.7144	0.3638	0.0418		LAKE 675	Continuous Pro-Rated Pumping
			681.02	1.52						0.67			
"To" POA wells to	Paulina Marsh (Tr	ansmissivity fr	om Morgan (1988)	and McFarland a	nd Ryals (19	91)): Used S	= 0.001						
112,207.80	15,000.00	0.00100	0.00	0.00	245.00	57,810.00	3.14	0.2273	1.1191	0.0000		LAKE 52371	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	587.14	1.31	245.00	52,930.00	3.14	0.1906	1.2623	0.7569		LAKE 50380	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	0.00	0.00	30.00	59,075.00	3.14	1.9388	0.0532	0.0000		LAKE 1077	Continuous Pro-Rated Pumping
112,207.80	15,000.00	0.00100	93.88	0.21	245.00	98,940.00	3.14	0.6659	0.3990	0.0383		LAKE 687	Continuous Pro-Rated Pumping
			681.02	1.52						0.80	0.1235		

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report

water Resources Department,

SALEM, OREGON 97310

within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON

State Well No. 26s/18E - 29 ch

(Please type or print)
(Do not write above this line)

(1) OWNER:	(10) LOCATION OF WELL:
Name Tappy Traisman	County Lake Driller's well number %
Address PO Prox 240 Questin Witel	71W 345W 34 Section 29 T. 265 R. 18 F W.M.
Christmas Valley Oregon 97630	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (chefk):	
New Well Deepening Reconditioning Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 156
Rotary Driven Domestic Industrial Municipal	Static level L6 ft, below land surface. Date May, S
Cable	201 Solow Idild Surface. Date 1/2/
(5) CASING INSTALLED: Threaded Welded Welded Welded to 120 ft. Gage .280	(12) WELL LOG: Diameter of well below casing (0°)
ft. to ft. Gage ft.	130 The standard well 4.38 It.
The diam. from	Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated,
PERFORATIONS: Perforated? Yes No.	with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.
pe of perforator used	MATERIAL From To SWL
Size of perforations in. by in.	Brown Sand 0 3
perforations from ft. to ft.	Piatomatique earth 3 17
perforations from ft. to ft.	Green Clay 17 27
perforations from ft. to ft.	Gray Clay 27 37
(7) SCREENS: Well screen installed? Yes No	Gray day 3762
	Black sand W/D 62 115 16
Manufacturer's Name	Green Clay 115 156
Diam. Slot size Set from ft. to ft.	white pumus W/p 156 160 16
Diam. Slot size Set from ft. to ft.	Green Clay 160 195
	white pulmos 195 199
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Green Clay and 420 436
Was a pump test made? Yes No If yes, by whom?	MODERO WAS
Yield: gal./min. with ft. drawdown after hrs.	Mall pomus Seams 7 16
distribution of the second of	00000 - 1111
" " " " " " " " " " " " " " " " " " "	CONTRACTOR OF THE CONTRACTOR O
Training 7	CONTRACTOR AND
Bailer test gal./min. with ft. drawdown after hrs.	uantia di la companya
Artesian flow g.p.m.	
Temperature of water Depth artesian flow encountered ft.	Work started 144 2 1980 Completed May 5 1980
(5) CONSTRUCTION:	Date well drilling machine moved off of well May 5 19 50
Well seal—Material used cement grout	Drilling Machine Operator's Certification:
Well sealed from land surface to 120 ft.	This well was constructed under my direct supervision
Diameter of well bore to bottom of seal in.	Materials used and information reported above are true to my best knowledge and belief.
Diameter of well bore below seal	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
Number of sacks of cement used in well sealsacks	(Drilling Machine Operator)
How was cement grout placed? pressure grouted	Drilling Machine Operator's License No
	Water Well Contractor's Certification:
	This well was drilled under my jurisdiction and this report is
Was a drive shoe used? Yes No Plugs Size: location ft.	true to the best of my knowledge and belief.
Did any strata contain unusable water? Yes No	Name (Person, firm or corporation) (Type or print)
Type of water? depth of strata	Address 13 B x 122 X N D P 97/23
Method of sealing strata off	d A A A
Was well gravel packed? Yes You Size of gravel:	[Signed] Jal elland (Water Well Contractor)
Gravel placed from ft. to ft.	Contractor's License No. 690 Date Mon 7
	COMMUNICIONS ENGREE NO. 10 / 10th //DOM / 44 VA

WATER WELL REPORT

JUN 17 1981

RECEIVEDECEIVED 10 V 16 1981 State Well No.

WATER RESOURCES DEPT RESOURCES BEFFErmit No. SALEM, OREGON wasserie Checoni

(1) OWNER:	(10) LOCATION OF WELL:	~B
Name Larry Grassman	County La Re Driller's well n	
Address PO 13-10	5W 4 Sh1 4 Section 29 T. 265	R. /8/ W.M.
City Character Valley State Org.	Tax Lot # Lot Blk	Subdivision
(2) TYPE OF WORK (check)	Address at well location:	
New Well □ Deepening ☑ Reconditioning □ Abandon □		
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed we	11.
	Depth at which water was first found 764	ft.
(3) TYPE OF WELL: (4) PROPOSED USE (check):		nd surface. Date 72 32
Rotary Air Driven Domestic Industrial Municipal Industrial Other Industrial Other	Artesian pressure lbs. per	square inch. Date
Rotes Mud	(12) WELL LOG: Diameter of well below ca	asing
	Depth drilled ft. Depth of co	
(5) CASING INSTALLED: Steel Plastic Welded	Formation: Describe color, texture, grain size and struc	ture of materials; and show
Pre Arilled Threaded Welded I	thickness and nature of each stratum and aquifer penetr for each change of formation. Report each change in po	ated, with at least one entry
"Diam. from	and indicate principal water-bearing strata.	
LINER INSTALLED:	MATERIAL	From To SWL
	NHI LIMI	
	Oca di lad la	
(6) PERFORATIONS: Perforated? ☐ Yes ☐ No	The willed to	
Type of perforator used	<u>about 43.2</u>	472 455
Size of perforations in. by in.	Green day	732 733
perforations from ft. to ft.	Garaba Call Large	456 464
perforations from ft. to ft.	Average of the second	1.10 476
perforations from ft. to ft.	Brown shale gross 10	104 70
(7) SCREENS: Well screen installed? ☐ Yes ☐ No	Bray Bagatt have	348 569
Manufacturer's Name	srown snalesting 15	270 000
Type		
Diam. Slot Size Set from ft. to ft.	4	
Diam. Slot Size Set from ft. to ft.	4	
Drawdown is amount water level is lowered		
(8) WELL TESTS: below static level		
a pump test made? Yes No If yes, by whom?		
rield: gal/min. with ft. drawdown after hrs.		
" " "		
Air test 1000 gal/min. with drill stem at 369 ft. hrs.		
Bailer test gal./min. with ft. drawdown after hrs.		
sian flow g.p.m.		
Temperature of water Depth artesian flow encountered ft.	Work started May 22 19 8/ Complete	d may 22 1981
(9) CONSTRUCTION: Special standards: Yes \(\sigma \) No \(\sigma \)	Date well drilling machine moved off of well may	1 213 1981
Well seal—Material used	Drilling Machine Operator's Certification:	
Well sealed from land surface to	This well was constructed under my direct su	pervision. Materials used
Diameter of well bore to bottom of sealin.	and information reported above are true to my be	est knowledge and belief.
Diameter of well bore below seal	[Signed] Tyle Charles (Drilling Machine Operator)	Date Mory & 319.8/
Number of sacks of cement used in well seal sacks	Drilling Machine Operator's License No/3.9	·Z 0
How was cement grout placed?	Drining Machine Operator's Entense No	
	Water Well Contractor's Certification:	
	This well was drilled under my jurisdiction	and this report is true to
Was pump installed? Type HP Depth ft.	the best of my knowledge and belief. Name Jyle Oscarda	
Was a drive shoe used? Yes No Plugs Size: location ft.	Name (Person, first or corporation)	(Type or print)
Did any strata contain unusable water? 🛘 Yes 📢 No	Address Star M. Silver take	2012.97638
Type of Water? depth of strata	[Simula Jula Ola ma	
Method of sealing strata off	[Signed] (Water Well Contract	or)
Was well gravel packed? ☐ Yes ☐ No Size of gravel:	Contractor's License No. 670 Date W	ay 23 , 19.8
Gravel placed from ft. to ft.		4

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report
are to be filed with the

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion. WATER WELL REPORT

STATE OF OREGON

(Please type or print)

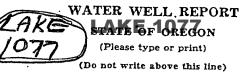
(Do not write above this line)

state Well No. 205/8E:3/9
State Permit No.

(1) OWNER: Mores	(10) LOCATION OF WELL:
Name Merry Marris	County Telizo Driller's well number 95
Address PO Box 240 Degat In motel	7E 14 7E 14 Section 3/ T. 7265 R. 18E W.M.
Christmas Willey Dregon 97638	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	
New Well Deepening Reconditioning Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 420 ft.
Petary ☐ Driven ☐ Domestic ☐ Industrial ☐ Municipal ☐	Static level 18 1 ft. below land surface. Date Many 1 - Sta
Dag Bored Irrigation Test Well Other	Artesian pressure lbs. per square inch. Date
(5) CASING INSTALLED: Threaded Welded F	(12) WELL LOG: Diameter of well below casing
"" Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size and structure of materials;
" Diam. from ft. to ft. Gage	and show thickness and nature of each stratum and aquifer penetrated,
(6) PERFORATIONS: Perforated? ☐ Yes ☑ No.	with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.
Type of perforator used	MATERIAL From To SWL
Size of perforations in. by in.	Brown Sand 03
perforations from ft. to ft.	Diatomy tipus earth 3 12
perforations from ft. to ft.	Brown Clay 12 23
perforations from ft. to ft.	dark Green Clav 123 75
(E) COPPENC	black sand 75 80
(7) SCREENS: Well screen installed? Yes Vo	Green Clay 80 415
Manufacturer's Name	white pumus grave 1/8 430 18 12
Type	Green Clay 430 495
Diam. Slot size Set from ft. to ft. Diam. Slot size Set from ft. to ft.	white pumus grave 1/8 445 458 18/2
Diani,	Green Clay 458 461
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	
a pump test made? Yes W No If yes, by whom?	REUE VEN
Yield: gal./min. with ft. drawdown after hrs.	
" " " "	00T 24 1980
" " "	WATER RESOURCES DE
test /200 gal./min. with ft. drawdown after / hrs.	SALEM, OREGON
	MATERIAL MEDICANNIA MET
g.p.m.	25 CON. OREGON
Temperature of water Depth artesian flow encountered ft.	Work started apr 30 19 80 Completed Way 1 19 80
(9) CONSTRUCTION:	Date well drilling machine moved off of well May 10 19 80
Well seal—Material used Comen (Drilling Machine Operator's Certification:
Well sealed from land surface to	This well was constructed under my direct supervision. Materials used and information reported above are true to my
Diameter of well bore to bottom of seal in.	best knowledge and belief.
Diameter of well bore below seal	[Signed] Atm Lawris Date May 5, 19.00
Number of sacks of cement used in well seal 34 sacks	Drilling Machine Operator's License No. 1302
How was cement grout placed?	
	Water Well Contractor's Certification:
	This well was drilled under my jurisdiction and this report is
Was a drive shoe used? ☐ Yes ❷ No Plugs Size: location ft.	true to the best of my knowledge and belief.
Did any strata contain unusable water? 🔲 Yes 🖫 No	Name (Person, firm or corporation) (Type or print)
Type of water? depth of strata	Address All Box122X Allslow, Ore. 97/23
Method of sealing strata off	155 mas In Coloma
Was well gravel packed? ☐ Yes ♠No Size of gravel:	[Signed] (Water Well Contractor)
Gravel placed from ft. to ft.	Contractor's License No. 690 Date Way 2 , 19 80

The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT SALEM, OREGON 97310 within 30 days from the date of well completion.



RECE VState Well No. 27 JUL 1 4 1995

(1) OWNER:	(10) LOCATION OF WELL ST.
Name Joe Oxentord	County Driller's well number
Address 26065 Johns Ka	1/1 / / / /
Venita Orc 97487	
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivision corner
New Well Deepening Reconditioning Abandon	July 101 11 000
If abandonment, describe material and procedure in Item 12.	(11) WAMED I DIVING G. I
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed well.
Botany G Driven G	Depth at which water was first found 79
Cable	Static level 76 ft. below land surface. Date 3 /2/
Dug Bored Irrigation Test Well Other	Artesian pressure lbs. per square inch. Date
CASING INSTALLED: Threaded Welded	(12) WELL LOC. /2
12 " Diam. from ft. to ft. Gage 22	Diameter of well below casing
ft. to ft. Gage	Depth drilled 190 ft. Depth of completed well 192
" Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size and structure of materia
DEDECO AMIONE.	and show thickness and nature of each stratum and aquifer penetrat with at least one entry for each change of formation. Report each change
PERFORATIONS: Perforated? Yes No.	position of Static Water Level and indicate principal water-bearing stra
Type of perforator used	MATERIAL From To SWI
Size of perforations in. by in.	Santi 501 0 2
perforations from	Mellow Mark leve + 35
perforations from ft. to ft.	14 1 1 1 1 1 2 5 5 5 5
perforations from ft. to ft.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
(7) SCREENS: Well screen installed? Yes No	1. 1 6 1 1 1 1 1 1 2 7
Manufacturer's Name	<u> </u>
Type Model No.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Diam, Slot size Set from ft. to ft.	
Diam Slot size S.t.t.	l
ft. to ft.	DEAFILIFY
Diam. Slot size Set from ft. to ft.	RECEIVED
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED
(8) WELL TESTS: Drawdown is amount water level is	RECEIVED FEB 2 1979
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	WATER RESOURCES DEPT.
(8) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom?	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs.	WATER RESOURCES DEPT.
Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs.	WATER RESOURCES DEPT.
Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs.	WATER RESOURCES DEPT. SALEM. OREGON
Drawdown is amount water level is lowered below static level Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """""""""""""""""""""""""""""""""""	WATER RESOURCES DEPT. SALEM, OREGON (32 34010 7651 at 144 74 4
Drawdown is amount water level is lowered below static level Was a pump test made? No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. No If yes, by whom? """ """ """ """ """ """ """	WATER RESOURCES DEPT. SALEM. OREGON 0.1 0.1 0.1 0.5 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4
Drawdown is amount water level is lowered below static level Was a pump test made? No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. No If yes, by whom? "" Barry 15t 1007 - 1007 " "" Barry 15t 1007 - 100	WATER RESOURCES DEPT. SALEM, OREGON (32 34010 7651 at 144 74 4
Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Depth artesian flow encountered ft. (9) CONSTRUCTION: Well seal—Material used	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/11/18 19 Completed 3-13-18 19 Date well drilling machine moved off of well 3-13-18 19 Drilling Machine Operator's Certification:
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Yes Artesian flow encountered ft. (9) CONSTRUCTION: Well seal—Material used Construction for the ft. Well sealed from land surface to ft.	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/11/18 19 Completed 3-13-18 19 Date well drilling machine moved off of well 3-13-18 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision.
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """ Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/11/18 19 Completed 3-13-18 19 Date well drilling machine moved off of well 3-13-18 19 Drilling Machine Operator's Certification:
Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used Company of the drawdown after ft. Diameter of well bore to bottom of seal in. Diameter of well bore below seal in.	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief.
Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. The perature of water Depth artesian flow encountered ft. (9) CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to 19 ft. Diameter of well bore to bottom of seal 17 in. Diameter of well bore below seal 17 in. Number of sacks of cement used in well seal 5 sacks	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/11/18 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed] (Drilling Machine Operator) Date 3/8/78, 19
Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used Well sealed from land surface to Diameter of well bore to bottom of seal in. Diameter of sacks of cement used in well seal.	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief.
Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. The perature of water Depth artesian flow encountered ft. (9) CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to 19 ft. Diameter of well bore to bottom of seal 17 in. Diameter of well bore below seal 17 in. Number of sacks of cement used in well seal 5 sacks	WATER RESOURCES DEFT. SALEM. OREGON SALEM. OREGON SALEM. OREGON Work started 3/11/18 19 Completed 3-/3-08 19 Date well drilling machine moved off of well 3-/3-08 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed]
Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. The perature of water Depth artesian flow encountered ft. (9) CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to 19 ft. Diameter of well bore to bottom of seal 17 in. Diameter of well bore below seal 17 in. Number of sacks of cement used in well seal 5 sacks	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed]
Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used Well sealed from land surface to	WATER RESOURCES DEFT. SALEM. OREGON SALEM. OREGON Work started 3/1/18 19 Completed 3-/3-08 19 Date well drilling machine moved off of well 3-/3-08 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed]
Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Perature of water Depth artesian flow encountered ft. Well seal—Material used ft. Well sealed from land surface to ft. Diameter of well bore to bottom of seal in. Diameter of sacks of cement used in well seal for sacks How was cement grout placed? Yes No Plugs Size: location ft.	WATER RESOURCES DEFT. SALEM. OREGON SALEM. OREGON SALEM. OREGON Work started 3/1/18 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed]
Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used Well sealed from land surface to	WATER RESOURCES DEFT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-78 19 Date well drilling machine moved off of well 3-/3-78 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed] Date 3/18/78, 19 (Drilling Machine Operator) Drilling Machine Operator's License No. 158 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name (Person, firm or corporation) (Type or print)
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """" Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to ft. Diameter of well bore to bottom of seal in. Diameter of well bore below seal in. Number of sacks of cement used in well seal in. Number of sacks of cement used in well seal in. Was a drive shoe used? Yes No Plugs Size: location ft. Did any strata contain unusable water? Yes No Type of water? depth of strata	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed] Date 3/8/78, 19 (Drilling Machine Operator) Drilling Machine Operator's License No. 158 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name 2000 1000 1000 1000 1000 1000 1000 100
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Baller test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Depth artesian flow encountered ft. (3) CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to ft. Diameter of well bore to bottom of seal in. Diameter of well bore below seal in. Diameter of well bore below seal sacks How was cement grout placed? TOLVIA sacks Was a drive shoe used? Yes No Plugs Size: location ft. Did any strata contain unusable water? Yes No Type of water? depth of strata Method of sealing strata off	WATER RESOURCES DEPT. SALEM. OREGON SALEM. OREGON Work started 3/1/18 19 Completed 3-/3-28 19 Date well drilling machine moved off of well 3-/3-28 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed]
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. """" Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. CONSTRUCTION: Well seal—Material used ft. Well sealed from land surface to ft. Diameter of well bore to bottom of seal in. Diameter of well bore below seal in. Number of sacks of cement used in well seal in. Number of sacks of cement used in well seal in. Was a drive shoe used? Yes No Plugs Size: location ft. Did any strata contain unusable water? Yes No Type of water? depth of strata	WATER RESOURCES DEFT. SALEM. OREGON SALEM. OREGON Work started 3/1/1/8 19 Completed 3-/3-78 19 Date well drilling machine moved off of well 3-/3-78 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m best knowledge and belief. [Signed] Date 3/18/78, 19 (Drilling Machine Operator) Drilling Machine Operator's License No. 158 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name (Person, firm or corporation) (Type or print)

278/17E-32 ca

WATER RESOURCES DEPARTMENT.

Gravel placed from

SALEM, OREGON 97310 within 30 days from the date Cat. 52784 of well completion.

(Please type or print)

CAR		~	Ć.
APR:	1	10-	
) '''-	ان تا	197	<u> </u>
_			~

State Well No.

of well completion. (Do not write al	pove this line) III LO 1978	0	****************	***************************************
(1) OWNER:	(10) LOCATION OF WELL.			
Name Joe Oxenford	County Like Or Driller's well no	ımber		
Address 26065 Jours Rd	14 14 Section 25 T275		<u></u>	W.M.
Venita Ore 97487	Bearing and distance from section or subdivisi			******
(2) TYPE OF WORK (check):	Dearing and distance from section of subdivisi)	`	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐	,	·		
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	m/	7		44
Potoru El Driven	Depth at which water was first found			ft.
Cable Detted Domestic N industrial Municipal	Static level / ft. below land s			13/18
Dug Bored Irrigation Test Well Other	Artesian pressure lbs. per squar	e inch.	Date 	
(f CASING INSTALLED: Threaded □ Welded	(12) WELL LOG: Diameter of well b]	/.	2
Diam from 6 ft. to 19 ft. Gage 726	Depth drilled /4/) ft. Depth of complete		- (/)	2. ft.
ft. Gage ft. Gage				
ft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each stratu	m and a	quifer pe	netrated.
C. DEPENDATIONS.	with at least one entry for each change of forma position of Static Water Level and indicate prin			
PERFORATIONS: Perforated? Yes No.		, 		
Type of perforator used	MATERIAL	From	То	SWL
Size of perforations in. by in.	Sanly Soil	0	.2	
perforations from ft. to ft.	Velious ceaystoire	3000	35	
perforations from ft. to ft.	Red basalt	35	SO	
perforations from ft. to ft.	Blue basalt	120	/2.0	
(7) SCREENS: Well screen installed? Yes No	Red Cindins	 . 	127	
Manufacturer's Name	Blue busplt	127	170	
Type Model No.	Rud Cinalis	170	190	
Diam. Slot size Set from ft. to ft.		 		
Diam. Slot size Set from ft. to ft.		 		
Diet size in the s				
(8) WELL TESTS: Drawdown is amount water level is lowered below static level		1 1		
Was a pump test made? ☐ Yes ☒ No If yes, by whom?				
T				
Yield: gal./min. with ft. drawdown after hrs.				-
" " " " " " " " " " " " " " " " " " "			_	
"Kested where "est 1000+ gpm "				
Bailer test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m. to be determine	a by pump test at late	V d.a	u.	
Depth artesian flow encountered ft.	Work started 3/11/78 19 Complete	ed 3-	13-08	19
(0) CONCERDICENON	Date well drilling machine moved off of well	3	13.08	19
(9) CONSTRUCTION: Well seal—Material used CONVII				
The season of th	Drilling Machine Operator's Certification: This well was constructed under my		sunar	vicion
Well sealed from land surface to	Materials used and information reported			
Diameter of well bore to bottom of seal . / in.	best knowledge and belief.	/	1 /2-	
Diameter of well bore below seal / with in.	[Signed] (Drilling Machine Operator)	Date	<u>19././6</u>	., 19
Number of sacks of cement used in well sealsacks	Drilling Machine Operator's License No.	•	156	
How was cement grout placed? ACATOAA	Diffing Machine Operator's Dicense No.			
· · · · · · · · · · · · · · · · · · ·	Water Well Contractor's Certification:			
	This well was drilled under my jurisd	iction ar	d this r	eport is
	true to the best of my knowledge and bel		1	oport in
Was a drive shoe used? Yes No Plugs Size: location ft.	Name Lart Joins			
Did any strata contain unusable water? Yes V No	Address 2/401/2011/01/71/10	/ (T)	pe or pri	nt)
Type of water? depth of strata	Address - 2740.44	2 - K & L	271 () (C)	
Method of sealing strata off	[Signed] (Water Well Control			
Sas well gravel packed? Tyes ONO Size of gravel	(Water Well Cost	actor)	• • • • • • • • • • • • • • • • • • • •	
Fravel placed from ft. to ft.	Contractor's License No. 22.			, 19

RECEIVED

FEB 1 0 1997 WELL I.D.# 40 6607 STATE OF OREGON WATER SUPPLY WELL REPORT
(as required by ORS 537.765) WATER RESOURCES DEPT. LAKE 50380 (START CARD) # 88460 Instructions for completing this reportate single Completing this form. (9) LOCATION OF WELL by legal description: Well Number Name COUGAR MT. CATTLE County LAKE Latitude Longitude Name S Range Address P.O. Box 598 City ChaisToms Valley State (1) 5W 1/4 NW Tax Lot <u>500</u> Lot Block Subdivision (2) TYPE OF WORK Street Address of Well (or nearest address) OFF New Well Deepening Alteration (repair/recondition) Abandonment Christmas Nolley (3) DRILL METHOD: (10) STATIC WATER LEVEL: 4 Kotary Air Rotary Mud Cable Date 2-4-97 35 ft. below land surface. Other (4) PROPOSED USE: Artesian pressure lb. per square inch. (11) WATER BEARING ZONES: 4 Irrigation ☐ Domestic Community Industrial Thermal Injection Livestock Other (5) BOREHOLE CONSTRUCTION: Depth at which water was first found / 38 Special Construction approval Yes To Depth of Completed Well 65 ft. SWL From Estimated Flow Rate Explosives used Yes No Type Amount 1000+ ک تر Material / Diameter Sacks or pounds 25 sacks 100 (12) WELL LOG: How was seal placed: Method Ground Elevation . Other. SWL From Backfill placed from ft. to ft. Material Soil Sanda Size of gravel Gravel placed from 20 (6) CASING/LINER: 20 Gauge Steel Welded Threaded Diameter 357 П Liner: NONE Final location of shoe(s) (7) PERFORATIONS/SCREENS: Perforations Method Material Screens Tele/pipe Slot Number Casing Diameter - 15-96 Completed (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: Flowing I certify that the work I performed on the construction, alteration, or abandonment **∕**⊀ir Artesian Pump Bailer of this well is in compliance with Oregon water supply well construction standards. Drill stem at Yield gal/min Materials used and information reported above are true to the best of my knowledge 1000+ and belief. 1 hr. WWC Number Temperature of water 52 (bonded) Water Well Constructor Certification: Depth Artesian Flow Found I accept responsibility for the construction, alteration, or abandonment work Was a water analysis done? Yes By whom_ performed on this well during the construction dates reported above. All work Did any strata contain water not suitable for intended use? performed during this time is in compliance with Oregon water supply well

Salty Muddy Odor Colored Other

Depth of strata:

construction standards. This report is true to the best of my knowledge and belief.

WWC Number 657

STATE OF OREGON WATER SUPPLY WELL REPORT

LAKE 52571 52371

WELL LABEL # L 105495 START CARD # 208327 ORIGINAL LOG #

(ORS 537.765 & OAR 690-205-0210)	ORIGINAL LOG#
Instructions for completing this report are on the last page of this form. (1) LANDOWNER Owner Wall LD.	
(1) LANDOWNER Owner Well I.D. First Name Buck Last Name Church	(9) LOCATION OF WELL (legal description) County LAKE Twp 275N or S. Range 7 E E or W. W.M.
City Christmas ValleyState OR Zip 9764	Sec 32 //W 1/4 of the SW 1/4 Tax Lot / 300
City Christmas VAlleyState OR Zip 9764	Tax Map Number Lot
(A) TURE OF WORK TO	
(2) TYPE OF WORK New Conversion Deepening	Long O ' "or DMS or DD
Alteration (complete Sections 2a & 10) Abandonment (complete Section (2a) PRE-ALTERATION: Well Depth	
	NOT ASS: gred
Seal Material Casing Type:	
	- (IU) STATIC WATER DEVEL
Casing Gauge Casing Diameter	
(3) DRILL METHOD Rotary Air Rotary Mud Auger	Existing Well/Pre-Alteration 3-/4-/6
Cable Cable Mud Reverse Rotary Other	Completed Well 3-/4-12 7 Flowing Artesian? Yes Dry Hole? Yes
Cable Gable Wild Revelse Rolary Guiler	WATER BEARING ZONES Depth water was first found
(4) PROPOSED USE Domestic Irrigation Community	
☐ Industrial/Commercial ☐ Livestock ☐ Dewatering ☐ Injection	SWL Date From To Est Flow SWL (psi) + SWL (ft)
Thermal Other	3-14-12 77 162 900 77
(5) BORE HOLE CONSTRUCTION Depth of Completed Well / 2 ft. Special Standard: Yes (attach cop	
•	py)
BORE HOLE SEAL Dia From To Material From To Amount Sc	ska/lba
Dia From To Material From To Amount Sc	(11) WELL LOG Ground Elevation
	Material From To
	Broken Rock 110 162
How was seal placed: Method \[\begin{array}{c ccc} A & \begin{array}{c ccc} B & \begin{array}{c ccc} C & \begin{array}{c ccc} D & \begin{array}{c ccc} E & \begin{array}{c ccc} E & \begin{array}{c ccc} D & \begin{array}{c	
Other	
Backfill placed fromft. toft. Material 'ilter pack fromft. toft. Material	
nici pack noin it. to it. waterial size	
(5a) ABANDONMENT USING UNHYDRATED BENTONITE:	HECEIVED
Calculated Amount Proposed to be Used:sacks/	
Actual Amount Used:sacks	/lbs MAR 2 0 2012
(6) CASINC/LINED	WATER RESOURCES MEDT
(6) CASING/LINER Csng Linr Dia + From To Gauge Steel Plastic Welded To Gauge To Gauge Steel Plastic Welded To Gauge To	Thrd WATER RESOURCES DEPT
(6) CASING/LINER Csng Linr Dia + From To Gauge Steel Plastic Welded T	Thrd WATER RESOURCES DEPT SALEM, OREGON
	SALEM, OREGON
Csng Linr Dia + From To Gauge Steel Plastic Welded T	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification
Csng Linr Dia + From To Gauge Steel Plastic Welded T	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or
Csng Linr Dia + From To Gauge Steel Plastic Welded T	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or
Csng Linr Dia + From To Gauge Steel Plastic Welded T	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well
Csng Linr Dia + From To Gauge Steel Plastic Welded T Shoe	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
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Csng Linr Dia	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. License Number Date
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Csng Linr Dia	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. License Number
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LAKE 52371

STATE OF OREGON WATER SUPPLY WELL REPORT

(ORS 537.765 & OAR 690-205-0210)

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

WELL LABEL # L 105495
START CARD# 208327
ORIGINAL LOG#

(1) LANDOWNER First Name Buck Last Name Church	(9) LOCATION OF WELL (legal description) County
City Christmas Valleystate OR Zip 97641	Sec 32 //W 1/4 of the SW 1/4 Tax Lot /300
(2) TYPE OF WORK New Conversion Deepening Alteration (complete Sections 2a & 10) Abandonment (complete Section 5a)	Tax Map Number Lot Lat "o" or
(2a) PRE-ALTERATION: Well Depth ft.	Street Address of Well (or nearest address)
Seal Material Other	
Casing Gauge Casing Diameter	(10) STATIC WATER LEVEL Date SWL(psi) + SWL (ft)
(3) DRILL METHOD Rotary Air Rotary Mud Auger Cable Cable Mud Reverse Rotary Other	Existing Well/Pre-Alteration 3-/4-/2 77 Completed Well 3-/4-/2 77 Flowing Artesian? Yes Dry Hole? Yes
	WATER BEARING ZONES Depth water was first found
(4) PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Community ☐ Industrial/Commercial ☐ Livestock ☐ Dewatering ☐ Injection	SWL Date From To Est Flow SWL (psi) + SWL (ft)
Thermal Other	3-14-12 77 162 900 77
(5) BORE HOLE CONSTRUCTION Depth of Completed Well ft. Special Standard: \ Yes (attach copy)	
BORE HOLE SEAL	
Dia From To Material From To Amount Scks/lbs	(11) WELL LOG Ground Elevation
	Material From To
	Broken Rock 110 162
How was seal placed: Method A B C D E Other	
Backfill placed fromft. toft. Material	
ilter pack fromft. toft. MaterialSize	
(5a) ABANDONMENT USING UNHYDRATED BENTONITE:	RECEIVED
Col. Maria Array (Dec. alas I. Maria	
Calculated Amount Proposed to be Used:sacks/lbs	
Actual Amount Used: sacks/lbs	MAR 2 0 2012
Actual Amount Used: sacks/lbs (6) CASING/LINER	
Actual Amount Used: sacks/lbs	WATER RESOURCES DEPT SALEM, OREGON
Actual Amount Used: sacks/lbs (6) CASING/LINER	WATER RESOURCES DEPT SALEM, OREGON
Actual Amount Used: sacks/lbs (6) CASING/LINER	WATER RESOURCES DEPT
Actual Amount Used:	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification
Actual Amount Used: sacks/lbs (6) CASING/LINER	WATER RESOURCES DEPT SALEM, OREGON Date Started 3-13-12 Completed 3-14-12
Actual Amount Used:	Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or
Actual Amount Used:	WATER RESOURCES DEPT SALEM, OREGON Date Started 3-13-12 Completed 3-14-12 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to
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Sacks/lbs Sack	WATER RESOURCES DEPT SALEM, OREGON Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. License Number
Screen Screen Screen Screen Screen Stot Slot # of pipe Perf Scrn Csng Linr Dia From To Width length slots size Plustic Welded Thrd Csng Linr Dia From To Csng Csng Linr Dia From To Csng Csng Csng Linr Dia From To Csng Cs	WATER RESOURCES DEPT SALEM, OREGON Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. License Number
Sacks/lbs Casing/Liner Csng Linr Dia + From To Gauge Steel Plastic Welded Thrd	WATER RESOURCES DEPT SALEM, OREGON Date Started 3-/3-/2 Completed 3-/4-/2 (unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. License Number
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