### PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO:	Water Rights Section	Date_	10/12/2015
FROM:	Groundwater Section	Michael J. Thoma	
SUBJECT:	Application G17955	Supersedes review of	11/18/2014 Date of Review(s)
DIDLIC INT	EDECT DECUMPTION, CROUNT		

### PUBLIC INTEREST PRESUMPTION; GROUNDWATER

**OAR 690-310-130** (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review groundwater applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation.

#### Applicant's Name: Stallion Land Company LLC County: Jackson **A. GENERAL INFORMATION:**

Applicant(s) seek(s) 0.06 (25 gpm) cfs from 4 well(s) in the Rogue Basin, A1. Quad Map: <u>Sam's Valley</u> Bear Creek subbasin

Proposed use \_\_\_\_\_ landscape irrigation/commercial use \_Seasonality: Irrigation season /year- round, respectively

#### A2. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid): A3.

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	JACK 7480	2	Sand and Gravel	0.06	T36S/R2W-28 SWNW	2110'S, 315'E fr NW cor S 28
2	JACK 62240	А	Sand and Gravel	0.06	T36S/R2W-28 SWNW	1475'S, 550'E fr NW cor \$ 28
3	JACK 62241	В	Sand and Gravel	0.06	T36S/R2W-28 NWNW	1150'S, 200'E fr NV cor S 28
4	JACK 62245	С	Mixed Clay/Gravel;	0.06	T36S/R2W-28 NWNW	1270'S, 10'E fr NW cor S 28
			Claystone			
5						

\* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	1220	30	19	6/4/86	62	0-23	+1-39			30		Аіг
2	1220	60	25	5/13/15	80	0-18	+2-58			22	28.8	Pump
3	1220	46	25	6/5/15	68	0-20	+2-58			15		Air
4	1220	48	22	6/24/15	80	0-18	+2-58		48-58	8		Air

Use data from application for proposed wells.

A4. Comments: The original application included Well 1 (JACK 7480) as an existing well and Well 4 (JACK 62245) as a proposed well. Two other wells were proposed on the original application and were much deeper than the wells proposed here and completed in bedrock. Thus the proposed aquifer has changed from consolidated bedrock on the original review to alluvium.

A5.

Provisions of the Rogue	Basin rules relative to the development, classification and/or
management of groundwater hydraulically connected to sur	face water $\Box$ are, or $\boxtimes$ are not, activated by this application.
(Not all basin rules contain such provisions.)	
Comments:	

A6. Well(s) # \_\_\_\_\_, \_\_\_\_, \_\_\_\_, tap(s) an aquifer limited by an administrative restriction.

Name of administrative area: Comments:

2

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

- B1. Based upon available data, I have determined that groundwater\* for the proposed use:
  - a. is over appropriated, is not over appropriated, or annot be determined to be over appropriated during any period of the proposed use. \* This finding is limited to the groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;
  - b. will not or will likely be available in the amounts requested without injury to prior water rights. \* This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;
  - c. will not or will likely to be available within the capacity of the groundwater resource; or
  - d. will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource:
    - i. The permit should contain condition #(s) 7C (7-year), 7J (Scenic waterway)
    - 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):

B3. Groundwater availability remarks: <u>B1a. As shown in the attached hydrograph, water levels in the area are generally stable. JACK 52479, a State Observation Well, shows dewatering influences from operation of the adjacent aggregate mine, but this trend is not reflected in other nearby wells (i.e., JACK 7146).</u>

B1b. Nearby groundwater rights are greater than <sup>1</sup>/<sub>4</sub> mile from the proposed POAs and will not likely be subject to significant interference due to the small proposed rate and general low-yield of the aquifer.

B1c. While any single well cited in this review may not produce 25 gpm, the four wells should approach the requested rate cumulatively.

B1d. The proposed wells are above the Rogue River Scenic Waterway so the scenic waterway condition should be used.

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

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

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	sand/gravel alluvial terrace deposits	$\boxtimes$	
2	sand/gravel alluvial terrace deposits	$\square$	
3	sand/gravel alluvial terrace deposits	$\boxtimes$	
4	sand/gravel alluvial terrace deposits and fractured bedrock	$\boxtimes$	

**Basis for aquifer confinement evaluation:** Well logs for the proposed wells all show static water levels higher than water bearing zones but do not suggest a laterally-extensive confining layer. Therefore the aquifer is likely semiconfined to unconfined.

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 <sup>1</sup>/<sub>4</sub> mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES NO ASSUMED	Potential for Subst. Interfer. Assumed? YES NO
1	1	Bear Creek	~1200	1160	2100		
2	1	Bear Creek	~1200	1160	1410		
3	1	Bear Creek	~1200	1160	1470		
4	1	Bear Creek	~1200	1160	1660		
	-						

**Basis for aquifer hydraulic connection evaluation:** The existing wells have seals to about 20 feet below land surface. Nearby well logs report mixed clay and coarse sediment to approx. 70 ft below land surface, with sand and gravel lenses of variable thickness and extent. The sediments are alluvial in origin, limited in extent, and variable in permeability. Water levels in wells likely reflect a peizometric surface that is above or coincident with Bear Creek locally and indicate groundwater is flowing towards and discharging to Bear Creek.

Water Availability Basin the well(s) are located within: Watershed 1D #: 70993 BEAR CR > ROGUE R - AT MOUTH

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 w ell is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw> 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	1			IS70993A	20		17.10		<<25%	
2	1			IS70993A	20		17.10		<<25%	
3	1			IS70993A	20		17.10		<<25%	
4	1			IS70993A	20		17.10		<<25%	

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

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?
il		ach well was	avaluated for	the full	and in	Cla about		

**Comments:** A range of aquifer parameters were used with an analytical model (Hunt, 2003) to get an estimate of impacts of pumping to stream depletion of Bear Creek assuming a semi-confined aquifer. The results show that impacts would be much less than 25% at 30 days (see attached results).

# C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Jan %	Feb %	Mar %	Apr %	May %	Jun %	Jul %	Aug %	Sep %	Oct %	Nov %	Dec %
% S ells	<u>%</u>	%	%	%	%	%	%	%	%	%	%
S ells											
ells											
ells											
									-		
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%	%	%	%	%	%	%	%	%	%	%	%
8											
f.											
2											
2											
) %	%	%	%	%	%	%	%	%	%	%	%
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(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

### Basis for impact evaluation: \_

All wells are < 1 mile from the nearest surface water source.

## C4b. 690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

- C5. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or groundwater use under this permit can be regulated if it is found to substantially interfere with surface water:
  - i. The permit should contain condition #(s)\_
  - ii. The permit should contain special condition(s) as indicated in "Remarks" below;

### C6. SW / GW Remarks and Conditions\_

### **References Used:**

Hunt, B. 2003. Unsteady Stream Depletion when pumping from a semi-confined aquifer. Journal of Hydrologic Engineering. p. 12-19.

OWRD Well Log and Water level databases accessed 10/12/2015

Wiley, T. J., McClaughry, J. D., D'Allura, J. A. 2011. Geologic Database and Generalized Geologic Map of Bear Creek Valley, Jackson County, Oregon. Oregon Department of Geology and Mineral Industries Open File Report 0-11-11.

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

	I TEVIEW OF THE WELLTUP.	
b. [	field inspection by	
c.	report of CWRE	
d. 🗌	other: (specify)	

D4. 🗌 Route to the Well Construction and Compliance Section for a review of existing well construction.

Date: 10/12/2015

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Water Availability Tables

# Water Availability Analysis Detailed Reports

### BEAR CR > ROGUE R - AT MOUTH ROGUE BASIN

Water Availability as of 11/14/2014

Watershed ID #: 70993 (Map) Date: 11/14/2014 Exceedance Level:80% Time: 3:14 PM

## Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	107.00	192.00	-85.40	0.00	170.00	-255.00
FEB	129.00	235.00	-106.00	0.00	170.00	-276.00
MAR	129.00	214.00	-85.20	0.00	170.00	-255.00
APR	105.00	31.00	74.00	0.00	170.00	-96.00
MAY	84.20	47.20	37.00	0.00	170.00	-133.00
JUN	61.60	73.40	-11.80	0.00	100.00	-112.00
JUL	28.10	94.20	-66.10	0.00	40.00	-106.00
AUG	19.30	79.80	-60.50	0.00	24.00	-84.50
SEP	17.10	56.50	-39.40	0.00	20.00	-59.40
OCT	18.30	18.10	0.17	0.00	24.00	-23.80
NOV	30.90	57.90	-27.00	0.00	62.00	-89.00
DEC	65.30	138.00	-72.30	0.00	153.00	-225.00
ANN	89,800.00	74,400.00	24,400.00	0.00	76,600.00	0.00

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Transient Stream Depletion (Jenkins, 1970; Hunt, 1999, 2003)

											-	
Output for Stream Depletion, Scenerio 2 (s2):						Time pump on (pumping duration) = 180 days						
Days	30	60	90	120	150	180	210	240	270	300	330	360
J SD	4.2%	15.0%	24.0%	30.9%	36.3%	40.6%	40.0%	32.2%	25.8%	21.1%	17.7%	15.1%
H SD 1999	2.2%	10.0%	17.7%	24.0%	29.2%	33.5%	34.9%	30.2%	25.3%	21.3%	18.2%	15.8%
H SD 2003	0.35%	1.12%	2.14%	3.38%	4.70%	6.03%	7.05%	7.70%	8.12%	8.29%	8.38%	8.45%
Qw, cfs	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
H SD 99, cfs	0.001	0.006	0.010	0.013	0.016	0.019	0.019	0.017	0.014	0.012	0.010	0.009
H SD 03, cfs	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005
-					-				-			
Parameters:					Sc	cenario 1 Scenario 2		Scenario 3		Units		
Net steady pu	imping ra	ate of we	1	Qw	-	25.00	25.00		25.00		gpm	
Time pump o	n (pump	ing durat	ion)	tpon		180	180		180		days	
Perpendicula	r from we	ell to stre	am	а		1410	1410		1410		ft	
Well depth				d		80	80		80		ft	
Aquifer hydraulic conductivity			K		0.5	5		50		ft/day		
Aquifer saturated thickness			b		80	80		80		ft		
Aquifer transr	nissivity			Т		40	400		4000		ft*ft/day	
Aquifer storat	ivity or sp	ecific yie	ld	S		0.05	0.05		0.05			
Aquitard vertical hydraulic conductivity			Kva		0.1	0.1		0.1		ft/day		
Aquitard satu	rated thic	kness		ba		20	20		20		ft	
Aquitard thick	ness bel	ow strea	m	babs		3	3		3		ft	
Aquitard porosity				n		0.2	0.2		0.2			
Stream width			WS		100	100		100		ft		
Streambed conductance (lambda)			sbc	3.3		3.33		3.33		ft/day		
Stream depletion factor			sdf	2485.1		248.51		24.85			days	
Streambed factor sb				sbf	117.50		11.75		1.18			
input #1 for Hunt's Q 4 function t'				۲	0.00		0.00		0.04			
input #2 for Hunt's Q 4 function K'				K'	248.51		24.85		2.49			
input #3 for Hunt's Q 4 function epsil				epsilon'	0.25		0.25		0.25		5	
input #4 for Hunt's Q 4 function			lamda'		117.50		11.75		1.18			

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Version: 08/01/2014



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STATE OF OREGON

WATER WELL REPORT

J480 -3/201-28

(as required by ORS 537	.765)	RS	OURCES	DEPT					
(1) OWNER:	Owner's Well N	SALCH	OREGO	(9) LOCATION	OF WELL by	legal d	escrip	tion:	
Name DOTTRUE DEL	E LIMBER		·	County JACK SO	N_Latitude	1 1	Longitud	e	/ <i>K</i>
Address POB 3517		7:-	07/00	Township36	N or.S, Rang	e	W	E or W,	WM.
CRY GENTRAL FL	DINT State OR	Zip	91202	Section2	84		4		
(2) TYPE OF WORK	:			Tax Lot _2000	_LotBloc	k	Subd	ivision	PD
		Abandon		CEN TRAL F	OINT. OR.	المجمعية (			L Abdd a g
(3) DRILL METROL	J:	Other		(10) STATIC W		•			
ALL RODALY ALL CLI RODALY A		Other		(10) STATIC (		4.	Dete	6-4	1-86
				Artesian pressure	b per	- sousre inc	b Date		
(4) PROPOSED USE	2:		· · ·	(11) WELLLO	G.				
Domestic 🔲 Communit	y 🗋 Industrial 👘 🗋 Ir	rigation			Ground elevat	ion			······································
Thermal L Injection	L1 Other			Mat	erial	From	To	WB?	SWL
BORE HOLE CO.	NSTRUCTION:	.50	Đ	CINY BRO		2	17		
	Special Standards date of app	roval		CONALON	FRATE PANA	117	24		
HOLE	SEAL	Amon	nt	SIRAVEL, S	MALL	24	62	30	191
O 23 CEN		Backs or p	wunds K						
		3	¥ • • •	··					
			•		· · · · · · · · · · · · · · · · · · ·				
How was seal placed? Method		LE							
Backfill placed from B 1	lo É Material					-			
Gravel placed from ft. t	oft. Size of grav	el			HIJO				
(6) CASING/LINER:			-		DECEIN				
Diameter From	To Gauge Steel Plast	c Welded	Threaded		10	2012			
Casing: O T					SEP. IU	6			
						RU			
			<b></b>						
Liner:							1		
	29								
PERFORATION	S/SCREENS.								
	thod								
Screens Ty	peMate	rial			* -				
Blot	Tele/pip	e Contar	T la an						
					 تو تابیر	ļ			
	<u><u> </u></u>		. □.		-				
						1			
			. L						
	*			Date started 6-	<u>- 86 _ Con</u>	opleted	6.1	1-86	•
(8) WELL TESTS: N	finimum testing time	is 1 hou	r	(unbonded) Water W	Vell Constructor Co	ertificat	ion:		
Pump D Bailer		Flowi	ng ian	I constructed th	is well in compliance	e with	Oregon	well cons	truction
Yield gal/min Pumping le	Driffstem at	Time		knowledge and belief.	sed and information	reported	above ar	e true to	my best
	172	4 hr		Signed Joan (	in Med	inal	3	6.1	4-81
-30	7	114							
(Dongca) water well Constructor Certification:									
Temperature of water	Depth Artesian Flo	with all Gregon water	well standards. This	a or unu a report	is true to	o the bes	t of my		
Was a water analysis done?	knowledge and belief.	11/katt	$\leq$						
Did any strate contain water not	suitable for intended use?	Foo little		Signed Ona	A Willin	MD	ate _ 6.	4-86	
Li Salty Li Muddy Li Odor Depth of strata:				Company MARTTN SC	NUELT DETTT	TNO ~	TNO.		
Depili of Bulley.	LA -			oompany material			olub N	0	
								50	500C 10/85

	WELLID LABEL# Luggio
STATE OF OREGON JACK	<b>START CARD</b> # 1026394
(as required by ORS 537.765 & OAR 690-205-0210) 7/8/	2015 ORIGINAL LOG #
(1) LAND OWNER Owner Well ID	
First Name Last Name	(9) LOCATION OF WELL (legal description)
Company STALLION LAND COMPANY LLC	COUNTY LACKSON TWO 36.00 S N/S Range 2.00 W F/W WM
Address PQ BOX 3667	Sec 28 $1/4$ of the $1/4$ Tax Lot 2100
City CENTRAL POINT State OR Zip 97502	Tax Map Number Lot
(2) TYPE OF WORK X New Well Deepening Conversion	Lat ° ° or 42.41438000 DMS or DD
(2a) PRE-ALTERATION	Long or _122.95203000 DMS or DD
Dia + From To Gauge Stl Plstc Wid Thrd	Street address of well     Nearest address
Casing:	0 BLACKWELL RD. CENTRAL POINT, OR 97502
Material From To Amt sacks/lbs	
(3) DRILL METHOD	(10) STATIC WATER LEVEL
Rotary Air Rotary Mud Cable Auger Cable Mud	Date SWL(psi) + SWL(ft)
Reverse Rotary Other	Existing Well / Pre-Alteration
	Elowing Atterion?
(4) <b>PROPUSED USE</b> [A Domestic [] Integration [] Community	
	WATER BEARING ZUNES Depth water was first found out
	SWL Date From To Est Flow SWL(psi) + SWL(ft)
(5) BURE HOLE CONSTRUCTION Special Standard (Attach copy	0 5/13/2015 60 80 21 25
BORE HOLE SEAL	
Dia From To Material From To Amt Ibs	
10 0 18 Bentonite Chips 0 18 30 S	
6 18 80 Calculated 8	
Calculated	(11) WELL LOG Ground Elevation
How was seal placed: Method A B C D E	Material From To
X Other DRY POURED	TIGHT BROWN CLAY SMALL GRAVEL 0 22
Backfill placed from ft. to ft. Material	SMALL GRAVEL BROWN CLAY COURSE SANI 22 54
Filter pack from ft. to ft. Material Size	TAN CLAY SMALL GRVL FINE TO COURSE SA 54 80
Explosives used: Yes Type Amount	
(5a) ABANDONMENT USING UNHYDRATED BENTONITE	CEL
Proposed Amount Actual Amount	atur mb
(6) CASING/LINER	KIN O LO
Casing Liner Dia + From To Gauge Sti Plste Wld Thrd	
	3 NA
Shoe Inside X Outside Other Location of shoe(s) 58	
Temp casing Yes Dia From To	
(7) PERFORATIONS/SCREENS	
Perforations Method	
Screens Type Material	Date Started 6/3/2015 Completed 6/3/2015
Screen Liner Dia From To width length slots pine size	(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
┝┈┾┈┽╼╌┼╴╶┾╌╸┾╴╸╎╸	the best of my knowledge and belief.
	License Number 1945 Date 7/8/2015
(8) WELL TESTS: Minimum testing time is 1 hour	1012015
Pump O Bailer O Air O Flowing Artesian	Signed JUSTIN SPLIETHOF (E-filed)
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	(bonded) Water Well Constructor Certification
22 28.8 80 4	I accept responsibility for the construction, deepening, alteration, or abandonment
	work performed on this well during the construction dates reported above. All work
	performed during this time is in compliance with Oregon water supply well
Temperature 55 °F Lab analysis Yes By	construction standards. This report is true to the best of my knowledge and belief.
Water guality concerns? [_]Yes (describe below) TDS amount 312 ppm	License Number 1835 Date 7/8/2015
	Signed KEVIN D GILL (E-filed)
	Contact Info (optional)
	DYD A D TA (TA )

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ONGINAL - WATER RESOURCES DEPARTMENT THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:

		Page 1 of 1
STATE OF OREGON	JACK	K 62241 WELL I.D. LABEL# L 118360
WATER SUPPLY WELL REPORT	<b>T</b> 10 14	1026669
(as required by ORS 537.765 & OAR 690-205-0210)	11814	2015 ORIGINAL LOG #
(1) LAND OWNER Owner Well I.D.		-
First Name Last Name		(9) LOCATION OF WELL (legal description)
Address PO BOX 3667		County JACKSON Twp 36.00 S N/S Range 2.00 W E/W WM
City CENTRAL POINT State OR Zip 97502		Sec 28 NW 1/4 of the NW 1/4 lax Lot 2100
(2) TYPE OF WORK X New Well Deepening Conve	ersion	Lot DMS or DD
Alteration (complete 2a & 10) Abandonment(com	mplete 5a)	Lat "or -122.95333000 DMS or DD
(2a) PRE-ALTERATION		Street address of well ( Nearest address
		0 BLACKWELL RD. CENTRAL POINT, OR 97502
Material From To Amt sacks/lbs		
Scal:		(A) STATIC WATED LEVEL
(3) DRILL METHOD		Date SWL(psi) + SWL(ft)
X Rotary Air Rotary Mud Cable Auger Cable Mud		Existing Well / Pre-Alteration
Reverse RotaryOther		Completed Well 6/5/2015 25
(4) PROPOSED USE Domestic Irrigation Community		Flowing Artesian? Dry Hole?
Industrial/Commericial Livestock Dewatering		WATER BEARING ZONES Depth water was first found 46.00
Thermal Injection Other		SWL Date From To Est Flow SWL(psi) + SWL(ft)
(5) BORE HOLE CONSTRUCTION Special Standard (A	ttach copy)	() 6/5/2015 46 60 15 25
Depth of Completed Well 68.00 ft.		
BORE HOLE SEAL	sacks/	
Dia From Io Material From Io Al	mt lbs	
6 20 68 Calculated	9	
		Ground Elevation
How was seal placed: Method A B C D	_l£	Material From Io
Backfill placed from ft to ft Material		GRAVEL CLAY COURSE SAND 3 46
Filter pack from ft. to ft. Material Size		GRAVEL COURSE SAND 46 68
Explosives used: Ves Type Amount		
(5a) A PANDONMENT LISING LINHVDPATED BENTONIT	L.E.	DECENT
Proposed Amount Actual Amount		2015
(C) CASING/LINED		
Casing Liner Dia + From To Gauge Stl Piste V	Wld Thrd	SET
● 6 X 2 58 250 ● 0		NAV
	-   -	
Shoe Inside Outside Other Location of shoe(s) 58		
Temp casing Yes Dia From To		
(7) PERFORATIONS/SCREENS		
Perforations Method		
Screens Type Material	T-1-(	Date Started6/5/2015 Completed 6/5/2015
Screen Liner Dia From To width length slots	nipe size	(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
		the best of my knowledge and belief.
	<u> </u>	License Number 1686 Date 6/24/2015
(8) WELL TESTS: Minimum testing time is 1 hour		
Pump Bailer Air Flowing Art	tesian	Signed TADD K MOORE (E-filed)
Yield gal/min Drawdown Drill stem/Pump depth Duration (ht	r)	(bonded) Water Well Constructor Certification
15 68 1		1 accept responsibility for the construction, deepening, alteration, or abandonment
		work performed on this well during the construction dates reported above. All work
		construction standards. This report is true to the best of my knowledge and belief.
Temperature 54 °F Lab analysis Yes By		License Number 1925 Date zignalie
From To Description Amount	Units	18/2015
		Signed KEVIN D GILL (E-filed)
		Contact Info (optional) CLOUSER DRILLING INC
ORIGINAL - WATER RES	OURCES D	DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:

617955

WATER SUPPLY WELL REPORT (an required by 0633736 a CAR 067-286-210)         7/14/2015         START CARD # Display           (1) LAND OWNER         Concent Well D. Trait Name (an equired by 0637356 a CAR 067-286-210)         7/14/2015         ORGINAL-10.6 (d)           (2) DATA OWNER         Concent Well D. Trait Name (an equired by 0.0157-057-058-067-010-057-057-057-057-057-057-057-057-057-05	STATE OF OREGON JA	CK 62245 WELL I.D. LABEL# L 118365			
ILAND_OWNER       Over Well D         ID_LAND_OWNER       Over Well D         ID_Company STALLEN LAND COMPARENT LET Company STALLEN LAND COMPARENT LET CO	WATER SUPPLY WELL REPORT	START CARD # 1026929			
(1) LAND OWNER       Owner Well D	(IN FEQUITED DY ORS 557,765 & OAR 090-205-0210) 7/	14/2015 ORIGINAL LOG #			
Compare STALLION LAND COMPARY LLC           Cablers PD BUXD Story         Zame           Cabler CHYRALTONY         Sale OK         Zap 9750           Cabler CHYRALTONY         Cabler CHYRALTONY         Sale OK           Cabler CHYRALTONY         Cabler CHYRALTONY         Cabler CHYRALTONY	Cipit Name Last Name				
Address 70:00X 3607       State UK       Zp 97502         Co. CUNKALTONY       State UK       Zp 97502         Co. CUNKALTONY       State UK       Zp 97502         Cas PRE-ALTERATION       State UK       To A model 28 to 10         Cas PRE-ALTERATION       State UK       To A model 28 to 10         State UK       To A model 28 to 10       To A model 28 to 10         State UK       To A model 28 to 10       To A model 20 to 28 to 10         State UK       To A model 20 to 28 to 10       State UK       To A model 20 to 28 to 10         State UK       To A model 20 to 28 to 10       State UK       To A model 20 to 28 to 10         State UK       To A model 20 to 28 to 10       State UK       To A model 20 to 28 to 10         State UK       To A model 20 to 28 to 28 to 20 to 28 to 28 to 28 to 20 to 28 to 2	Company STALLION LAND COMPANY LLC	(9) LOCATION OF WELL (legal description)			
City CUPS OF WORK       Note: Will Topening Conversion Conv	Address PO BOX 3667	County JACKSON Twp 36.00 S N/S Range 2.00 W E/W WM			
(2) TVPE OF WORK       Morental       Decreting       Conversion         (2a) PRE-ALTERATION       Codinge       Salf       File       Manadament(completes 2a)       To       Codinge       Salf       To       Codinge       Salf       File       Manadament(completes 2a)       To       Codinge       Salf       File       File       Manadament(completes 2a)       To       Manadament(completes 2a)       Manadament(completes 2a)       To       To       Manadament(completes 2a)       To	City CENTRAL POINT State OR Zip 97502	Sec 28 NE 1/4 of the IVW 1/4 Tax Lot 2100			
(2a) PRE-ALTERN TION       Camp Set 101       Abandemic (complete 28 10)       Abandemic (complete 18 10)       Abandemic (complete	(2) TYPE OF WORK New Well Deepening Conversion	Lat " "or DMS or DD			
Cashing:	[]Alteration (complete 2a & 10) []Abandonment(complete	5a) Long " " or DMS or DD			
Castery	Dia + From To Gauge Stl Piste Wild Thrd	Street address of well ( Nearest address			
(3) StatL       StatL	Casing: C	0 BLACKWELL RD CENTRAL POINT. OR 97502			
(3) DUP TYPE TORE TO STORE MADE	(3) DRULL METHOD	- (10) STATIC WATER LEVEL			
Reverse Roduy         Other           Characteria	X Rotary Air Rotary Mud Cable Auger Cable Mud	Date SWL(psi) + SWL(ft)			
(4) PROPOSED USE       Domestic       Inrigitation       Community         (b) proposed mestic       Inrigitation       Community         (c) proposed mestic       Invested       Deventering         (c) proposed mestic       Invested       Deventering         (c) proposed mestic       Invested       Deventering         (c) proposed mestic       Discontrol       Statistic         (c) proposed mestic       Statistic       Statistic         (c) proposed mestic       Invested       Invested         (c) proposed mestic       Invested       Invested         (c) proposed mestic       Invested       Invested       Invested         (c) proposed mestic       Invested       Invested       Invested       Invested         (c) proposed mestic       Invested       Invested       Invested       Invested       Invested         (c) proposed mestic       Invested	Reverse Rotary Other	Existing Well / Pre-Alteration			
(4) PROPOSED USE       Contention       Instanton       Control (Control (Contro) (Contro) (Control (Control (Control (Control (Contro					
□ Drouged and Crime	(4) PROPOSED USE Domestic Infigation Community				
Internal       Internal <td< td=""><td>Themal Injustion Other</td><td>WATER BEARING ZONES Depth water was first found 48.00</td></td<>	Themal Injustion Other	WATER BEARING ZONES Depth water was first found 48.00			
(5) BORR HOLE CONSTRUCTION       Special standard(Attach corp)         Depth of Completed Wells 8000		Swit Date From To Est Flow SwL(psi) + Swit(ft)			
BOR: HOLE         BEAL         BOR: HOLE         Dia from       To       Annual         Image: Start Big of Start Big o	(5) BURE HOLE CONSTRUCTION Special Standard (Attach of Completed Wall 80.00	opy) 6/24/2015 48 58 8 22			
Data       From       To       Anticital       Stocks         Data       From       To       Anticital       From       To         Data       From       Calculated       From       From       To         How was seal placed:       Method       A       B       Calculated       From         How was seal placed:       Method       A       B       C       D       From         Filter pack       filter pack       Calculated       From       To       To       To         Explosive used:       Yes       Type       Antoint       Size       To       To       To         Popoed       Antoint       Size       To       Actual Amount       Size       To       To<	BORF HOLF SEAL				
10       0       18       10       S         10       0       18       10       S         10       0       18       10       S         11       Well       1       1       1       1         11       Well       A       B       C       0       3         18       Montrol       A       B       C       0       3         18       Montrol       R       B       C       0       3       13         18       Montrol       R       A	Dia From To Material From To Amt	bs			
6       18       80       Calculated         How was seal placed       Method       A       B       Calculated         How was seal placed       Method       A       B       C       D         Backfill phaced from       fit to gak       A maturit       Size       Natorial       From       To         Stope lowes       Level of the Method       A maturit       Size       Annount       Size       Size         C(a) ABANDONMENT USING UNHYDRATED BENTONITE       Annount       Actual Amount       Size       Size       Size         C(a) ABANDONMENT USING UNHYDRATED BENTONITE       Actual Amount       Size       Size       Size       Size         Stope   Inside  X/Outside   Other       Location of shoc(s) <u>sa</u> To       Size       Size       Size         Stope   Inside  X/Outside   Other       Location of shoc(s) <u>sa</u> To       Size       Completed 6/24/2015       Completed 6/24/2015         Perf Casing 6       48       Size       1240       Isite size       Isite work   performations       Isite size in the work   performations indend All //IOLTE         Screen liner       Size       Size       Size       Completed 6/24/2015       Completed 6/24/2015         (7) PERFORATIONS/SCREENS       Net indithod	10 0 18 Bentonite Chips 0 18 10 S				
Here was seal placed:       Method       A       B       C       D       D         Worker pack fill placed from       R. to       R. Material       File	6 18 80 Calculated 8				
Here was seal placed:       Method       A       B       C       D         How was seal placed:       Method       A       B       C       D       B         Mackrill Market       Material       Size       B       A       B       C       D       B         Backfill placed:       fill to make the seal of th	Calculated	(11) WELL LOG Ground Elevation			
Xoher_DRY POURED       C       C       C         Backfill placed from ft. to ft. material	How was seal placed: Method A B C D D:	Material From To			
BRCHII placed fromft toft. Material	XOther DRY POURED	DARK BROWN CLAY & COBBLES 0 3			
Filter pack from	Backfill placed from ft. to ft. Material	BROWN CLAY COURSE SAND 3 13			
Explosives used       Yes       Type       Amount         (5a) ABANDONMENT USING UNHYDRATED BENTONITE         Propresed Annownt       Actual Amount         (6) CASING/LINER       Actual Amount         (6) CASING/LINER       0       2       28       250       0       77       79         GREY CLAYSTONE MED LIARD       0       2       28       250       0       77       79         GREY CLAYSTONE MED LIARD       0       1       77       79       0         GREY CLAYSTONE MED LIARD       0       77       79       0         Stope       Inside       20       0       1       77       79         GREY CLAYSTONE MED LIARD       0       77       79       0         GREY CLAYSTONE MED LIARD       0       0       1       77       79         GREY CLAYSTONE MED LIARD       0	Filter pack from fl. to fl. Material Size	BROWN CLAY WITH MED & LG GRAVEL 13 22			
(5a) ABANDONMENT USING UNHYDRATED BENTONITE         Proposed Amount         Proposed Amount         (6) CASING/LINER         Casing Liner         Dia       + from         Tomp casing       + from         Temp casing       Vest         Shoe       Inside         Inside       Other         Location of shoe(s) sg         Temp casing       Yes         Perforations       Medited Alth /HOLTE         Screen Liner       Dia         Perforations       Medited Alth /HOLTE         Screen Liner       Screens Type         Perforations       Medited Alth /HOLTE         Screen Liner       Dia         Perforations       Medited Alth /HOLTE         Screen Liner       Screen Stot         Perforations       Medited Alth /HOLTE         Screen Liner       Dia         Perforations       Medited Alth /HOLTE         Screen Liner       Screen Stot         Perforations       Medited Mary Holted         Vield pal/min       Point         Perforations       Medited Mary Holted         Vield pal/min       Point         Netter       Alt Stanted (droptionet)         Wate	Explosives used: Yes Type Amount	TAN CLAY & MIXED GRAVEL			
Proposed Amount       Actual Amount         (6) CASINC/LINER       iner	(5a) ABANDONMENT USING UNHYDRATED BENTONITE	ORANGE/TANNISH CLAY			
(6) CASINC/LINER       Dia       + From       To       Gauge       Still       Plete       Widt       Thrd         GREY CLAYSTONE SOP       6       X       2       S8       250       GREY CLAYSTONE SOP       77       79       80         GREY CLAYSTONE MED LIARD       6       X       2       S8       250       GREY CLAYSTONE MED LIARD       90         Shoe       Inside       X       2       S8       250       GREY CLAYSTONE MED LIARD       90         Shoe       Inside       X       X       S6       100       100       100         Shoe       Inside       X       X       S6       100       10	Proposed Amount Actual Amount	GREY CLAYSTONE MED HALP 1 72 77			
Casing Liner       Dia       + From       To       Gauge Stil Piste Wid Thrd         Stoe       Inside       2       58       250       X       Image: Stil Piste Wid Thrd         Stoe       Inside       X       2       58       250       X       Image: Stil Piste Wid Thrd         Stoe       Inside       X       2       58       250       X       Image: Stil Piste Wid Thrd       Image: Stil Piste Wid Thrd <td>(6) CASING/LINER</td> <td>BROWN CLAYSTONE SOFT 77 79</td>	(6) CASING/LINER	BROWN CLAYSTONE SOFT 77 79			
Image: Structure       6       X       2       58       250       0       X       1         Shoc       Inside       X       2       58       250       0       X       1         Shoc       Inside       X<	Casing Liner Dia + From To Gauge Stl Piste Wid T	hrd GREY CLAYSTONE MED HARD 9 80			
Shoc       Inside       Outside       Other       Location of shoc(s) 58         Temp casing       Yes       Din       From       To         (7)       PERFORATIONS/SCREENS Perforations Method AIR/HOLTE       Date       Screens       Screens       To         Screen       Dia       From       To       Date       Completed 6/24/2015       Completed 6/24/2015         Perf Casing       6       48       58       188       1       240         Imboded       Water Well Constructor Certification       Icertify that the work 1 performed on the construction deepening, alteration abandonment of this well is in compliance with Oregon water supply construction standards. Materials used and information reported above are in the best of my knowledge and belief.         Weiter quality concerns?       Yes By       Signed         Water quality concerns?       Yes (describe below) TDS amount 480       ppm         Water quality concerns?       Yes (describe below) TDS amount 480       ppm         Nanount       Date 7/14/2015       Signed         License Number       1835       Date 7/14/2015         Signed       KEVIN D GHL1. (ff-filed)       Signed         Contact Info (optional) CLOUSER DRILLING INC       Signed	$ \bigcirc 6 \times 2 58 .250 \bigcirc \times 1 $	22 101			
Shee       Inside       Outer       Location of shoe(s) 58         Temp casing       Yes       Dia       From       To         (7)       PERFORATIONS/SCREENS       Form       To       Date       Started(6/24/2015       Completed       6/24/2015         Perforations       Method       AIR / HOLTE       Screen       Screens       To       Date       Started(6/24/2015       Completed       6/24/2015         Perforations       Method       AIR / HOLTE       Screens       Screns       Screns       Screens       Sc					
Shoe       Inside       Outside       Other       Location of shoe(s) 58         Temp casing       Yes       Dia       From       To         (7)       PERFFORATIONS/SCREENS       Perforitions       Material       Date Started/6/24/2015       Completed 6/24/2015         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         Perfor       Casing       6       48       58       .188       1 ength       slots       pipe size         (8)       WELL TESTS: Minimum testing time is 1 hour       O Flowing Artesian       Date       Signed       Signed         Yield gal/min       Dravdown       Drill stem/Pump depth       Duration (hr)       1		-			
Shoc       Inside       Xouside       Other       Location of shoc(s) <u>58</u> Temp casing       Yes       Dia       From       To         (7)       PERFORATIONS/SCREENS Perforations Method AIR / HOLTE       Date       Started/6/24/2015       Completed <u>6/24/2015</u> Perf/       Casing/       Serren/Stot       Stot       # of       Tele/         Screen       Serren/Stot       Stot       # of       Tele/         Perf/       Casing/       6       48       58       1.88       1       240         Date       Started/6/24/2015       Completed <u>6/24/2015</u> Completed <u>6/24/2015</u> (B)       WELL TESTS: Minimum testing time is 1 hour       Date       I unbonded) Water Well Constructor Certification         Yield gal/min       Drawdown       Drill stem/Pump depth       Duration (hr)       Signed         Temperature 57       "F Lab analysis       Yes       By       Perf       Amount         Irom       To       Description       Amount       Drills       Signed         Water quality concerns?       Yes (describe below) TDS amount 480       ppm       pm       Date 7/14/2015         Signed       KEVIN D GILL (E-filed)       Contact Info (optional) CLOUSER DRILLING INC       Signed <td></td> <td></td>					
Temp casing       Yes       Dia       From       To         (7)       PERFORATIONS/SCREENS Perforations Method AIR/HOLTE       Date Started/6/24/2015       Completed 6/24/2015         Perf/Casing/Screen       Screass Type       Material       Date Started/6/24/2015       Completed 6/24/2015         Perf/Casing/Screen       Screass Type       Material       Date Started/6/24/2015       Completed 6/24/2015         Perf/Casing       6       48       58       188       1       240         Imbodie       Screass Type       Material       Date Started/6/24/2015       Completed 6/24/2015         Perf/Casing       6       48       58       188       1       240         Imbodie       Weter Vell Constructor Certification       Icertify that the work 1 performed on the construction deepening, alteration abandonment of this well is in compliance with Oregon water supply construction standards. Materials used and information reported above are in the best of my knowledge and belief.         License Number       Date       Signed       Signed         Yield gal/min       Drawdown       Drill stem/Pump depth       Duration (hr)         Importance       80       1       work performed on this well during the construction dates reported above. All performed on this well during the construction dates reported above. All performed on this well during the construction dates re	Shoe Inside Outside Other Location of shoc(s) 58				
(7) PERFORATIONS/SCREENS         Perforations Method AIR / HOLTE         Screens Type       Material         Perf/ Casing/Screen       Scren/Siot Slot # of Tele/         Screen Liner Dia From To width length slots pipe size       Date Started/6/24/2015         Perf/ Casing 6       48         9 erf/ Casing 6       48         9 erf / Casing 6       Air Prime derf Prime derft Duration (hr)         10 erenererer       Date Prime der Prin/2 <td>Temp casing Yes Dia From To</td> <td></td>	Temp casing Yes Dia From To				
Performations Method AIR / HOLTE         Screens Type       Material         Performations Method AIR / HOLTE         Screens Type       Screens Screens Streen         Performations Method AIR / HOLTE         Screens Type       Material         Performations Method AIR / HOLTE         Screens Type       Screens Scre	(7) PERFORATIONS/SCREENS	-			
Screens       Type       Material         Perf/       Casing/Screen       Screen Liner       Dia       From       To       width       length       slots       performed in the slots       performed on the construction.       Completed 6/24/2015         Perf       Casing       6       48       188       1240       Interview       I certify that the work 1 performed on the construction.       dependent on the construction. <td< td=""><td>Perforations Method AIR/HOLTE</td><td></td></td<>	Perforations Method AIR/HOLTE				
Perf       Casing/Screen       Scrn/slot       Slot       # of       Tele/         Screen Liner       Dia       From       To       width       length       slots       pipe size         Perf       Casing       6       48       58       1.88       1       240         Perf       Casing       6       48       58       1.88       1       240         Image: Screen Liner       Dia       From       1       240       1       1         Image: Screen Liner       Dia       1       240       1 <td>Screens Type Material</td> <td>Date Started6/24/2015 Completed 6/24/2015</td>	Screens Type Material	Date Started6/24/2015 Completed 6/24/2015			
Order Jine       Jie	Peri/ Casing/ Screen Scrn/slot Slot # of Tele Screen Liner Dia From To width tends slots pipes	(unbonded) Water Well Constructor Certification			
abandonment of this well is in compliance with Oregon water supply construction standards. Materials used and information reported above are in the best of my knowledge and belief.         (8) WELL TESTS: Minimum testing time is I hour         O Pump       O Bailer         Yield gal/min       Drawdown         Vield gal/min       Drawdown         8       1         8       1         9       Pump         8       1         9       1         1       1         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         1       2         2       3         2       2         2       2         2       2         2       2	Perf Casing 6 48 58 .188 1 240	I certify that the work I performed on the construction, deepening, alteration, or			
(8) WELL TESTS: Minimum testing time is I hour		abandonment of this well is in compliance with Oregon water supply well			
(8) WELL TESTS: Minimum testing time is 1 hour		construction standards. Materials used and information reported above are true to			
(8) WELL TESTS: Minimum testing time is 1 hour       Signed         Yield gal/min       Drawdown         Yield gal/min       Drawdown         8       80         1       1         8       80         1       1         1       accept responsibility for the construction dates reported above. All performed on this well during the construction dates reported above. All performed during this time is in compliance with Oregon water supply construction standards. This report is true to the best of my knowledge and bell license Number 1835         Water quality concerns?       Yes (describe below) TDS amount 480 ppm         From       To         Description       Ainount         Vinite       1         1       Contact Info (optional) CLOUSER DRILLING INC		License Number Date			
Signed         KEVIN	(8) WELL TESTS: Minimum testing time in I hour				
Yield gal/min       Drawdown       Drill stem/Pump depth       Duration (hr)         8       80       1         1       accept responsibility for the construction, deepening, alteration, or abandon work performed on this well during the construction dates reported above. All performed during this time is in compliance with Oregon water supply construction standards. This report is true to the best of my knowledge and bell License Number 1835         Water quality concerns?       Yes (describe below) TDS amount 480 ppm       Date 7/14/2015         From       To       Description       Amount Units         Signed       KEVIN D GHL. (E-filed)       Contact Info (optional) CLOUSER DRILLING INC	Pump O Bailer A Air O Flowing Artesian	Signed			
8       80       1         8       80       1         Image: State of the second state	Yield cal/min Drawdown Drill story/Purms durith Duration (hr)	(bonded) Water Well Constructor Certification			
Temperature 57       °F Lab analysis Yes By         Water quality concerns?       Yes (describe below) TDS amount 480 ppm From To       ppm Description         Amount Units       Signed       KEVIN D GHLL (E-filed)         Contact Info (optional) CLOUSER DRILLING INC		I accept responsibility for the construction, deepening, alteration, or abandonment			
Temperature 57       °F Lab analysis       Yes By       performed during this time is in compliance with Oregon water supply construction standards. This report is true to the best of my knowledge and bell increase Number 1835         Water quality concerns?       Yes (describe below) TDS amount 480 ppm Aimount Units       performed formed during this time is in compliance with Oregon water supply construction standards. This report is true to the best of my knowledge and bell increase Number 1835         Date 7/14/2015       Signed KEVIN D GHLL (E-filed)         Contact Info (optional) CLOUSER DRILLING INC		work performed on this well during the construction dates reported above. All wor			
Temperature       57       °F Lab analysis       Yes       By       construction standards.       This report is true to the best of my knowledge and be         Water quality concerns?       Yes (describe below) TDS amount 480 ppm       ppm       License Number 1835       Date 7/14/2015         From       To       Description       Amount Units       Signed       KEVIN D GHL. (E-filed)         Contact Info (optional)       CLOUSER DRILLING INC       Contact Info (optional)       CLOUSER DRILLING INC		performed during this time is in compliance with Oregon water supply we			
Water quality concerns?       Yes (describe below) TDS amount 480 ppm Description       License Number 1835       Date 7/14/2015         From       To       Description       Amount Units       Signed       KEVIN D GH.J. (E-filed)         Contact Info (optional) CLOUSER DRILLING INC	Temperature 57 °F Lab analysis Yes By	construction standards. This report is true to the best of my knowledge and belief.			
Signed         KEVIN D GILL (E-filed)           Contact Info (optional)         CLOUSER DRILLING INC	Water quality concerns? Yes (describe below) TDS amount 480 ppm	License Number 1835 Date 7/14/2015			
Contact Info (optional) CLOUSER DRILLING INC		Signed KEVIN D GILL (E-filed)			
		Contact Infe (optional) CLOUSER DRILLING INC			

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: