AMENDED 3-8-22 STATE OF OREGON WATER SUPPLY WELL REPORT

LAKE 52867

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WELL I.D. LABEL# L

132439

START CARD # 1041358

ORIGINAL LOG # LAKE 52812

(as required by ORS 537.765 & OAR 690-205-0210)	-	12/7/2018	ORIGINAL LOG	# LAKE	52	2812
(1) LAND OWNER Owner Well I.D. SVE #3					,	
First Name Last Name	_	(9) LOCATIO	N OF WELL (legal	l descri	ption)	
Company SURPRISE VALLEY ELECTRIC Address P. O. BOX 691	_	County LAKE	Twp 33.00 S	N/S R	ange 18.00	E/W WM
City ALTURAS State CA Zip 96101			1/4 of the <u>NW</u>			
(2) TYPE OF WORK New Well Deepening Convers	sion	Tax Map Number	'" or		Lot	
Alteration (complete 2a & 10) Abandonment(comp			'" or			
(2a) PRE-ALTERATION			address of well	Magnest of		DMS or DD
Casing: To Gauge Stl Plstc Wld Thrd		~	E from the NW corner of			1P
Material From To Amt sacks/lbs		2220 S and 1170	E from the NW corner of	Section 2	4 I alsicy O	TC .
Seal:	-					
(3) DRILL METHOD		(10) STATIC V	WATER LEVEL			
Rotary Air Rotary Mud Cable Auger Cable Mud		Existing Well	Pre-Alteration	ate SV	VL(psi) -	+ SWL(ft)
Reverse Rotary Other		Completed We		12	—— F	106
(4) PROPOSED USE Domestic Irrigation Community			Flowing Artesian?		y Hole?	1
Industrial/ Commercial Livestock Dewatering	k	WATER BEARING	ZONES Depth	water was	s first found	1_490.00
X Thermal Injection Other		SWL Date	=			+ SWL(ft)
(5) BORE HOLE CONSTRUCTION Special Standard (Atta	ach copy)	8/17/2012	490 2580	2000		
Depth of Completed Well 2705.00 ft.	uen copy)	6/17/2012	490 2380	2000		1
BORE HOLE SEAL	sacks/					
Dia From To Material From To Amt						
26 0 40 Cement 0 40 159 17.5 40 602 Calculated 47.5						
12.25 602 2705 Cement 40 602 712	2 S	(11) 11/21 1 1 0	\ <u>\</u>			
Calculated 799.9	95	(11) WELL LO	Ground Eleva	tion		
How was seal placed: Method X A B C D	E		[aterial		From	To
Other		see attached			0	2705
Backfill placed from ft. to ft. Material Filter pack from ft. to ft. Material						
		No Special	Standards associ	ated		
Explosives used: Yes Type Amount		with this w				
(5a) ABANDONMENT USING UNHYDRATED BENTONITE	E	With this W	CII	,		
Proposed Amount Actual Amount						+
(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plstc Wl	d Thed					
(a) 20 + 9.5 40 304 (b) X						
9.5 602 .375						
9.63 + 9.5 2580 .375						+ +
	4 H I					
Shoe Inside Outside Other Location of shoe(s) 2580	J ∐					
						+ +
Temp casing Yes Dia From + 2580 To 2705						
(7) PERFORATIONS/SCREENS Perforations Method						
Screens Type Material	-	Date Started 7/2	25/2012 Co	mpleted	8/17/2012	2
Perf/ Casing/ Screen Scrn/slot Slot # of	Tele/					
Screen Liner Dia From To width length slots p	pipe size		r Well Constructor Cerwork I performed on the		tion deener	ning alteration or
			this well is in complia			
			ards. Materials used and	informati	on reported	d above are true to
		the best of my kno	•			
		License Number _		Date _		
(8) WELL TESTS: Minimum testing time is 1 hour		Signed				
Pump Bailer Air Flowing Arter	sian					
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) 2167 50 350 22	— I	` ′	Vell Constructor Certific		1	
2107 30 350 22	- 		ility for the construction, this well during the cons			
			this time is in complia			
Temperature 270 °F Lab analysis Yes By			ards. This report is true to			
Water quality concerns? Yes (describe below) TDS amount 1100	mg/L	License Number 2	2012	Date 12/	7/2018	
From To Description Amount U	Jnits	Signed JESUS N	MADIEZCUDDENIA CE C	=10d\		
		Contact Info (optio	MARIEZCURRENA (E-f	neu)		
		соптаст ппо (орпо	mai) Li mourance			

WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

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12/7/2018

Map of Hole

SUMMARY REPORT - OIL OR GAS WELL STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee	Information
Name	Surprise Valley Electrification Corp.
Mailing Address	516 US Hwy 395 E
City/State/Zip	Alturas, CA. 96101
Telephone	530.233.3511
Fax	530.233.2190
Email	lynnsvec@frontier.com
Prepared by	Lynn Culp/George Scheid

Well No.	SVE Well #3	
DOGAMI ID No.	36-037-90032	
Drilling Commenced	July 25, 2012	
Drilling Completed	August 17, 2012	
Date P & A	July 9, 2012	
Total Depth	2705ft	
Redrill Depth		
Logs Run		

Signed E. Lynn Culp	Member Service Manager	November 9, 2012
Signature	Title	Date

(3) Casing Record

Size of Hole	Size of Casing	Weight (pounds per foot)	Grade/Type	Depth	Type and Amo	
26"	20"	104.05	30XS	40'	Type II	159 sx
17 ½"	13 3/8"	68#	K-55	602'	89.1	bbls
12 ¼"	9 5/8"	40#	K-55	2580'	N/A	bbls
						bbls

(4) Plugs & Junk

Plugs / Junk	Geological Marker	Depth

(5) Perforations or Liner

Size of Casing	From	То	Shots/ft.		Method of Perforating	
			The second second	Jet	Bullet	Slotted Liner
9 5/8"	490'	2580'				

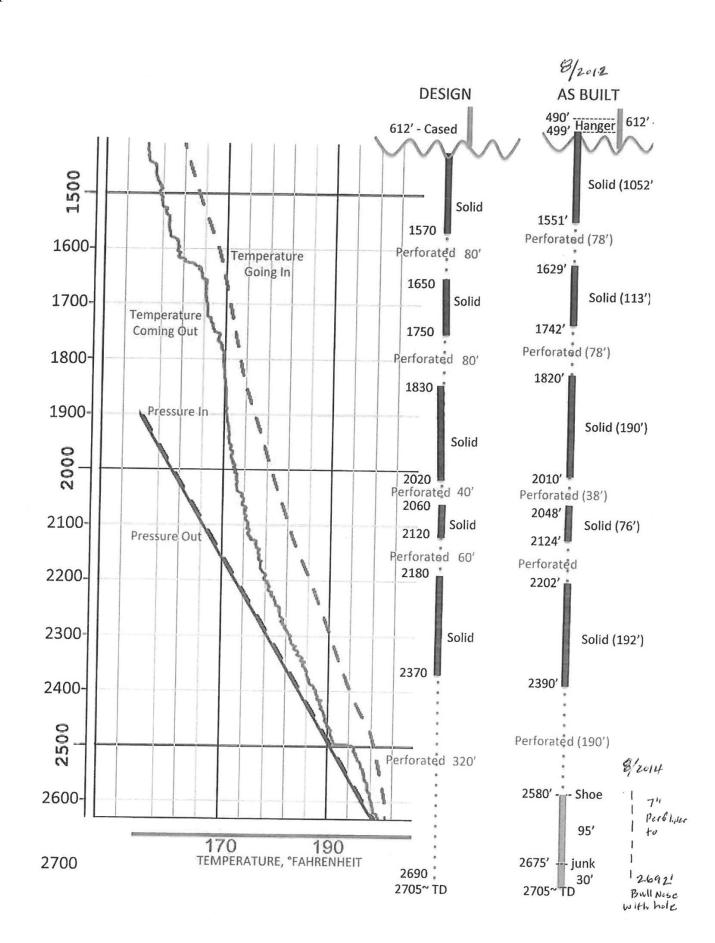
(6) Initial Production

Date	Clean Oil (bbl/day)	Gravity	Percent Water	FTP	FCP	SITP	SICP

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Map of Hole



WATER SUPPLY WELL R	EPORT - continuation page

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Map of Hole

LITHOGRAPHIC DESCRIPTION OF OIL OR GAS WELL (Not required if a mud log is submitted)

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 520.)

1) Permittee	nformation
Name	Surprise Valley Electric
Mailing Address	516 U.S. Hwy. 395E
City/State/Zip	Alturas, California 96101
Telephone	866-843-2667 530-233-3511
Fax	
Email	
Prepared by	Lynn Culp, Roy Mink, Silvio Pezzopane

(2) Well Informa	tion	
Well No.	SVE-3	
DOGAMI ID No.		

Date

Signature Title
(3) Well Cuttings

From 0 10	To	Description
	40	
10	10	Brown sandy soil and gravelly sand; mix of volcanic lithologies (basalt, rhyolite, andesite, tuff, pumice)
10	40	Brownish-gray rounded fine gravel; mixed volcanic (basalt, rhyolite, andesite, obsidian, tuff, pumice), qtz-rich sand
40	100	Brownish-gray rounded medium to coarse (cobble) gravel; mixed volcanic (as above)
100	180	Dark brownish-gray rounded sand and gravel; mixed volcanic (as above)
180	230	Light-dark brownish-gray rounded medium (pebble) gravel; mixed volcanic (as above)
230	310	Brownish-gray rounded sand and coarse gravel; mixed volcanic (as above), qtz and detrital sand, brown silt and clay
310	440	Dark brownish gray rounded basalt gravel; olivine? phenocrysts rusty yellowish green, minor varicolored tuff and cinder
440	460	Brownish-gray rounded sand and medium gravel; mixed volcanic (as above), qtz and detrital sand, brown clay
460	490	Light-dark brownish gray rounded basalt gravel; phenocrysts rusty yellowish green, minor varicolored tuff and cinders
490	560	Brownish-gray rounded medium (pebble) gravel; mixed volcanic lithologies (as above), sand, brown clay
560	600	Brown sticky clay ash; dark brownish gray basalt gravel; weakly cemented qtz sand and ash fragments
600	660	Brownish-gray rounded pebble gravel; mixed volcanic lithologies, sand, brown clay
660	720	Reddish brown sticky clay ash; lithics of varicolored tuff; rounded pebble gravel, white, red, and black cinders, qtz san
720	820	Grayish brown clay ash; soft red, olive gray to brown tuff; rounded basalt pebble gravel, w/pumicite and obsidian
820	860	Light olive brown clay ash; chunks soft red and brown non-welded tuff; rounded basalt pebble gravel
860	880	Reddish brown clay ash; chunks olive, red, and brown non-welded tuff; rounded pebble gravel, olive green clay coating
880	920	Light olive to grayish brown clay ash; waxy red, white, and brown tuff and ash fragments; rounded basalt pebble grave
920	970	Reddish brown clay ash; waxy olive, red, and brown tuff; weakly cemented qtz sand and ash fragments
970	1040	Brown clay ash; white pumicite, qtz sand, rounded olive and red welded tuff granules, cinders and ash fragments
1040	1140	Reddish brown clay ash; chunks of waxy olive, red, and light gray tuff; weakly cemented qtz sand and ash fragments
1140	1240	Red sticky clay ash; lithics of cinders and qtz ash fragments; whitish, red and gray tuff, rounded obsidian/basalt pebbles
1240	1290	Dark olive brown clay ash; red and olive gray non-welded tuff; rounded qtz, obsidian grains
1290	1350	Dark gray clay and ash; red and gray tuff; rounded basalt pebbles; calcite/qtz (chalcedony?) coatings/fillings
1350	1490	Dark olive gray to black, partially-welded vitric lithic tuff; red and gray tuff; clay, calcite/qtz fillings/cement?
1490	1540	Dark olive gray to black, moderately-welded vitric tuff; varicolored tuff lithics; calcite/qtz fillings/cement
1540	1630	Black partially-welded lithic tuff (50%); brown clay ash (20%), varicolored tuff (30%); calcite/qtz blades/fillings/cement
1630	1730	Reddish brown clay ash (60%); black to olive and varicolored tuffs (40%); calcite/qtz euhedral, blades/coatings
1730	1840	Black to dark olive partially-welded lithic tuff (60%); brown and gray tuff (40%); calcite/qtz in blades/fillings/cement
1840	1910	Black to dark olive partially-welded lithic tuff (50%); brown and gray tuff (50%); calcite/qtz in blades/fillings/cement
1910	1920	Reddish brown clay ash (60%); olive to black, and varicolored tuff (30%); calcite/qtz blades, rounded pebbles
1920	1990	Dark gray to black partially-welded tuff (60%); brown and gray ash tuff (40%); calcite/qtz fillings/cement
1990	2090	Olive gray to black moderately-welded vitric tuff (80%); white, red and gray ash tuff (<20%); chalcedony, FeO stains?
2090	2210	Light gray to white ash tuff (90-20%); black to olive gray tuff (20-70%), brown, red, and gray tuff (2-15%); qtz
2210	2370	Dark reddish brown lithic non-welded (ash) tuff (70-90%); red, white, black, and olive gray tuff (10-30%); calcite/qtz
2370	2410	Light bluish to greenish gray ash tuff (90-20%); brown, red, black, white, olive tuff (20-70%); calcite/euhedral qtz
2410	2430	Dark reddish brown lithic ash tuff (50-70%); greenish gray tuff (20-30%), red, gray, and black tuff (10-20%); calcite/qtz
2430	2460	Light bluish to greenish gray ash tuff (90-20%); brown, black, and red lithic tuff (20-70%); euhedral calcite blades/qtz
2460	2580	Dark reddish brown lithic ash tuff (40-50%); greenish gray ash tuff (20-30%), varicolored tuff (10-30%); calcite
2580	2610	Reddish brown tuff (30-40%); olive gray moderately-welded tuff (20-30%); varicolored lithics (20-30%), calcite blades
2610	2630	Reddish brown tuff (30-40%); olive gray densely-welded tuff (20-30%); varicolored lithics (20-30%), calcite blades
2630	2660	Reddish brown tuff (40-50%); olive gray partially-welded tuff (20-30%); varicolored lithics (20-30%), calcite/qtz crystals
2660	2705	no returns ~ no data
	2705	~ Total Vertical Depth (before cleaning)