

Error Check Reset

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

WELL I.D. LABEL # 118546
START CARD # 212532
ORIGINAL LOG #

CROO 54369

(1) LAND OWNER
Owner Well I.D. PRN #3
First Name Last Name
Company Vitesse, LLC
Address 500 NW Connect Way
City Prineville State OR Zip

(2) TYPE OF WORK
[X] New Well [] Deepening [] Conversion
[] Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing:
Material From To Amt sacks/lbs
Seal:

(3) DRILL METHOD
[X] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud
[X] Reverse Rotary [] Other

(4) PROPOSED USE
[] Domestic [] Irrigation [] Community
[X] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION
Special Standard (Attach copy)
Depth of Completed Well 674.5 ft.

Table with columns: Dia, From, To, Material, From, To, Amt, lbs. Rows for Cement and Calculated values.

How was seal placed: Method [] A [X] B [X] C [] D [] E
[X] Other Bentonite poured

Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size

Explosives used: [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER
Table with columns: Casing, Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Includes handwritten values like 142.2.

Shoe [] Inside [X] Outside [] Other Location of shoe(s) 501
Temp casing [] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type V-Shape Wire Wrap Material 304SS

Table with columns: Perf/ Screen, Casing/ Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/ pipe size.

(8) WELL TESTS: Minimum testing time is 1 hour
[] Pump [X] Bailer [] Air [] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Values: 340, 209, 8.

Temperature 70 °F Lab analysis [] Yes By
Water quality concerns? [] Yes (describe below) TDS amount

Table with columns: From, To, Description, Amount, Units.

(9) LOCATION OF WELL (legal description)
County CROOK Twp 15 S N/S Range 15 E E/W WM
Sec 2 SE 1/4 of the SE 1/4 Tax Lot 1100
Tax Map Number 15S 15E 01 Lot
Lat " or " DMS or DD
Long " or " DMS or DD
[] Street address of well [X] Nearest address

Owner's

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration
Completed Well 04-18-2016 354
Flowing Artesian? [] Dry Hole? []

WATER BEARING ZONES
Depth water was first found 395
Table with columns: SWL Date, From, To, Est Flow, SWL(psi), SWL(ft).

(11) WELL LOG
Ground Elevation

Table with columns: Material, From, To. Includes text: RECEIVED BY OWRD, MAY 20 2016, SALEM, OR.

Date Started 03-01-2016 Completed 04-15-2016

(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.
License Number 1367 Date 05-09-2016
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above.
License Number 649 Date 05-09-2016
Signed
Contact Info (optional)

WATER SUPPLY WELL REPORT - continuation page

WELL I.D. LABEL# L118546

START CARD # 212532

CROO 54369

ORIGINAL LOG #

(2a) PRE-ALTERATION

Table with columns: Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Includes a diagram of a well casing with material and amount (sacks/lbs) columns.

Water Quality Concerns

Table with columns: From, To, Description, Amount, Units. Multiple empty rows for data entry.

(5) BORE HOLE CONSTRUCTION

Table with columns: BORE HOLE (Dia, From, To), Material, SEAL (From, To), Amt, sacks/lbs. Includes entries for Bentonite Chips and Cement.

(10) STATIC WATER LEVEL

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Multiple empty rows for data entry.

FILTER PACK

Table with columns: From, To, Material, Size. Multiple empty rows for data entry.

(6) CASING/LINER

Table with columns: Casing Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Includes a diagram of casing sections.

(7) PERFORATIONS/SCREENS

Table with columns: Perf/Screen, Casing/Liner Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/pipe size. Multiple empty rows for data entry.

(11) WELL LOG

Table with columns: Material, From, To. Includes a large 'RECEIVED BY OWRD' stamp dated MAY 20 2010 and SALEM, OH.

(8) WELL TESTS: Minimum testing time is 1 hour

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Multiple empty rows for data entry.

Comments/Remarks

A steel plate is welded between the 20" and 16" casings at the top of the 20" casing. The top 4' of the screen assembly is belled out to 14" diameter and equipped with a reinforced 'J' receptor. The screen assembly was lowered through slough and into the native formation at bottom of the bored hole. It is plugged with native materials up to 680'. A cement grout plug was placed inside the screen assembly from 674.5-680.

Vitesse, LLC

PRN Well No. 3 - Tag 118546; SC #212532

Formation Log

by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	12	Loam, brown, silty, firm w/caliche layers
12	17	Basalt, black, medium, fractured, some vesicles
17	19	Basalt, dark brown, medium, fractured, some vesicles
19	55	Basalt, black & brown, medium, fractured, vesicular
55	65	Basalt, black, medium, fractured, some vesicles w/occasional clay, brown, soft
65	115	Basalt, black, medium-hard, fractured
115	235	Siltstone, brown & grey, soft-medium
235	247	Siltstone, brown, sandy, soft-medium & sandstone, black, fine-coarse
247	257	Siltstone, brown, soft w/gravel, multi-colored, 1/2"-
257	287	Siltstone, black & brown, soft w/sand, brown & black, fine-coarse
287	307	Siltstone, brown, soft-medium w/gravel, multi-colored, 1/4"-
307	331	Gravel, multi-colored, 1/2"-
331	395	Gravel, multi colored, 3/4"-
395	412	Siltstone, brown, medium-hard w/clay, brown, soft
412	413	Clay, tan, medium w/gravel, 2"-
413	422	Clay, tan, medium w/gravel, 2"- & some claystone, tan, medium
422	428	Claystone, tan, medium w/sand, multi-colored, fine-coarse, cemented & gravel, pea
428	475	Clay, tan & brown, soft-medium
475	485	Clay, brown, medium w/gravel, 1"-
485	490	Basalt, brown, medium, fractured, vesicular
490	510	Basalt, black, medium w/some quartz
510	516	Basalt, black, medium, some fractures
516	550	Basalt, dark grey, hard, some fractures w/some crystals
550	582	Basalt, grey, medium-soft, fractured
582	610	Basalt, black, soft & gravel, 1"- w/some claystone,
610	654	Basalt, black, soft & gravel, 1/2"- w/claystone,
654	670	Gravel, 3/4"- & claystone, green, medium w/some basalt, black, soft
670	691	Clay, light grey & white, medium-soft
691	700	Clay, brown, medium-hard w/some claystone, white, hard

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MAY 20 2016

SALEM, OR