

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

HARN 51901

1/17/2013

WELL I.D. LABEL# L 109048
START CARD # 1018770
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name DAN Last Name KRYGER
Company CRYSTAL CRANE HOT SPRINGS
Address 59315 HWY 78
City CRANE State OR Zip 97732

(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
[] Reverse Rotary [] Other

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

(5) BORE HOLE CONSTRUCTION
Special Standard [] (Attach copy)
Depth of Completed Well 403.00 ft.
BORE HOLE
Dia From To Material SEAL Amt sacks/lbs

How was seal placed: Method [] A [] B [] C [] D [] E
[X] Other POURED & TAMPED
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 Actual Amount

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
Shoe [] Inside [] Outside [] Other Location of shoe(s)
Temp casing [] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material
Perf/ Casing/ Screen Scrn/slot Slot # of Tele/
Screen Liner Dia From To width length slots pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
[] Pump [] Bailer [X] Air [] Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Temperature 150 °F Lab analysis [] Yes By
Water quality concerns? [] Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 24.00 S N/S Range 33.00 E E/W WM
Sec 34 NE 1/4 of the SW 1/4 Tax Lot 8900
Tax Map Number Lot
Lat " or " DMS or DD
Long " or " DMS or DD
[] Street address of well [X] Nearest address
59315 HWY 78
CRANE, OR. 97732

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration
Completed Well 1/11/2013 32
Flowing Artesian? [] Dry Hole? []

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Row 1: 1/11/2013, 32, 397, 40, 32

(11) WELL LOG
Ground Elevation
Material From To
topsoil clay loam 0 1
clay brown 1 16
clay green 16 35
cinders black 35 38
clay green 38 42
shale 42 50
clay green 50 71
sand cemented 71 75
clay grey 75 95
sandstone grey 95 110
sandstone green 110 170
shale grey 170 173
clay grey 173 180
shale brown 180 205
sandstone green 205 212
shale brown 212 215
claystone green 215 230
sandstone green 230 280
clay green 280 310

Date Started 1/8/2013 Complete 1/11/2013

(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
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. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1424 Date 1/17/2013
Signed TIMOTHY K RILEY (E-filed)
Contact Info (optional)

WATER SUPPLY WELL REPORT -
continuation page

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WELL I.D. LABEL# L 109048

START CARD # 1018770

1/17/2013

ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material		From	To	Amt	sacks/lbs			

Water Quality Concerns

From	To	Description	Amount	Units

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL		sacks/lbs		
Dia	From	To	Material	From	To	Amt	lbs

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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(11) WELL LOG

Material	From	To
sandstone grey	310	393
clay grey	393	403
clay grey	393	403

(7) PERFORATIONS/SCREENS

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Comments/Remarks