

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

WELL LABEL # L 100 269
START CARD # 197385
ORIGINAL LOG #

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

(1) LANDOWNER Owner Well I.D.
First Name STEVE + KRISTA Last Name RICKMAN
Company _____
Address 69705 OLD EXPERIMENT RD.
City BURNS State OR Zip 97720

(2) TYPE OF WORK New Conversion Deepening
 Alteration (complete Sections 2a & 10) Abandonment (complete Section 5a)
(2a) PRE-ALTERATION: Well Depth _____ ft.
Seal Material _____
Casing Type: Steel Plastic Other _____
Casing Gauge _____ Casing Diameter _____

(3) DRILL METHOD Rotary Air Rotary Mud Auger
 Cable Cable Mud Reverse Rotary Other _____

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

(5) BORE HOLE CONSTRUCTION
Depth of Completed Well 700 ft. Special Standard: Yes (attach copy)

| BORE HOLE | | | SEAL | | | |
|-----------|------|------|--------------|------|-----|-----------------|
| Dia | From | To | Material | From | To | Amount Scks/lbs |
| 20" | 0 | 235' | PORT. CEMENT | 0 | 135 | 105 Scks |
| 16" | 135 | 396 | | | | |
| 14" | 396 | 500 | | | | |
| 10" | 500 | 700 | | | | |

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE:
Calculated Amount Proposed to be Used: _____ sacks/lbs
Actual Amount Used: _____ sacks/lbs

(6) CASING/LINER

| Csng | Linr | Dia | + | From | To | Gauge | Steel | Plastic | Welded | Thrd |
|------|------|-----|---|------|-----|-------|-------|---------|--------|------|
| ✓ | | 16" | + | 2' | 135 | .250 | ✓ | | ✓ | |
| | ✓ | 14" | | 0 | 395 | .250 | ✓ | | ✓ | |

Shoe Inside Outside Other Location of shoe(s) _____
Temporary casing Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method HOLTE PERFORATOR
Screens Type _____ Material _____

| Perf | Sern | Csng | Linr | Screen Dia | From | To | Screen/slot width | Slot length | # of slots | Tele/pipe size |
|------|------|------|------|------------|------|-----|-------------------|-------------|------------|----------------|
| ✓ | | | ✓ | | 240 | 380 | 1/8 | 1" | 2240 | PIPE |

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min 360 Drawdown 220 Drift stem/Pump depth _____ Duration (hr) 2
Temperature 60 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS _____ ppm
From _____ To _____ Description _____ Amount _____ Units _____
RECEIVED
AUG 06 2009

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 23 N of S Range 32 E of W W.M.
Sec 18 SW 1/4 of the SW 1/4 Tax Lot 202
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
Street Address of Well (or nearest address) 69705 OLD EXPERIMENT RD.

(10) STATIC WATER LEVEL

| Existing Well/Pre-Alteration | Date | SWL (psi) | + | SWL (ft) |
|------------------------------|----------------|-----------|---|-----------|
| Completed Well | <u>7-22-09</u> | | - | <u>63</u> |

Flowing Artesian? Yes Dry Hole? Yes
WATER BEARING ZONES Depth water was first found 6'

| SWL Date | From | To | Est Flow | SWL (psi) | + | SWL (ft) |
|----------------|------------|------------|------------|-----------|---|------------|
| <u>6-12-09</u> | <u>6</u> | <u>21</u> | <u>100</u> | | - | <u>6'</u> |
| <u>6-12-09</u> | <u>50</u> | <u>87</u> | <u>400</u> | | - | <u>6'</u> |
| <u>6-14-09</u> | <u>96</u> | <u>130</u> | <u>700</u> | | - | <u>14'</u> |
| <u>6-29-09</u> | <u>285</u> | <u>450</u> | <u>450</u> | | - | <u>63'</u> |

(11) WELL LOG Ground Elevation 4150

| Material | From | To |
|------------------|------|-----|
| SANDY TOPSOIL | 0 | 6 |
| SAND-GRAVEL | 6 | 21 |
| SANDY GRAY CLAY | 21 | 34 |
| GRAY CLAY | 34 | 43 |
| SANDY GRAY CLAY | 43 | 50 |
| SAND-GRAVEL | 50 | 87 |
| GRAY CLAY | 87 | 96 |
| SAND-GRAVEL | 96 | 110 |
| BLACK SAND | 110 | 130 |
| GRAY CLAY | 130 | 265 |
| BLACK CLAY | 265 | 274 |
| GRAY CLAY | 274 | 285 |
| SAND-GRAVEL-CLAY | 285 | 298 |
| BROKEN GRAY CLAY | 298 | 370 |
| GRAY CLAY-PUMICE | 370 | 395 |

CONTINUED ON PAGE 2

Date Started 6-11-09 Completed 7-22-09

(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 1739 Date 8-04-09
Signed Charles J. Fox

(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 1355 Date 8-04-09
Signed Arthur L. Jay
Contact Info. (optional) _____

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 100269 START CARD # 197385 ORIGINAL LOG #

(1) LANDOWNER Steve & Kristi RICKMAN 69705 OLD EXPERIMENT RD. City BIRUS State OR Zip 97720

(2) TYPE OF WORK [X] New [] Conversion [] Deepening [] Alteration [] Abandonment

(2a) PRE-ALTERATION: Well Depth Seal Material Casing Type: [] Steel [] Plastic [] Other Casing Gauge Casing Diameter

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

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

(5) BORE HOLE CONSTRUCTION Depth of Completed Well 700 ft. Special Standard: [] Yes (attach copy)

Table with columns: Dia, From, To, Material, From, To, Amount, Scks/lbs. Rows include 20", 16", 14", 10" diameters with materials like PORTLAND CEMENT.

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other Backfill placed from ft. to ft. Material Filter pack from ft. to ft. Material Size

(5a) ABANDONMENT USING UNHYDRATED BENTONITE: Calculated Amount Proposed to be Used: Actual Amount Used:

(6) CASING/LINER Table with columns: Casing/Liner, Dia, Gauge, Steel, Plastic, Welded, Thrd. Rows show 16" and 14" casing details.

Shoe [] Inside [] Outside [] Other Location of shoe(s) Temporary casing [] Yes Diameter From To

(7) PERFORATIONS/SCREENS Perforations Method HOLTE PERFORATOR Screens Type Material

Table with columns: Perf, Scrm, Casing, Liner, Screen Dia, From, To, Screen/slot width, Slot length, # of slots, Tele/pipe size. Row shows 240-380 screen with 48 slot width and 1" slot length.

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

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr), Temperature, Water quality concerns? TDS, From, To, Description, Amount, Units.

(9) LOCATION OF WELL (legal description) County HARNEY Twp 23 N of S Range 32 E or W W.M. Sec 18 SW 1/4 of the SW 1/4 Tax Lot 202 Tax Map Number Lot Lat Long Street Address of Well (or nearest address) 69705 OLD EXPERIMENT RD

(10) STATIC WATER LEVEL Table with columns: Existing Well/Pre-Alteration, Completed Well, Date, SWL(psi), SWL(ft). Row shows completed well on 7-22-09 with SWL of 63'.

WATER BEARING ZONES Table with columns: SWL Date, From, To, Est Flow, SWL(psi), SWL(ft). Rows show data for 6-12-09, 6-12-09, 6-14-09, 6-29-09.

(11) WELL LOG Table with columns: Material, From, To. Includes layers like HARD GRAY ROCK, GRAY PUMICE, GRAY CLAY, GREEN CLAYSTONE, GREEN CLAY-CLAYSTONE LAYERS.

Date Started 6-11-09 Completed 7-22-09

(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 1739 Date 8-04-09 Signed Charles Dey

(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 1355 Date 8-04-09 Signed Arthur L. Jay