

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

WELL LABEL # L 100770  
 START CARD # 201155

(1) LAND OWNER Owner Well I.D. 6  
 First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
 Company Confederated Tribes of the Umatilla Indian Reserva  
 Address 46411 Timine Way  
 City Pendleton State OR Zip 97801

(2) TYPE OF WORK  New Well  Deepening  Conversion  
 Alteration (repair/recondition)  Abandonment

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

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

(5) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)  
 Depth of Completed Well 1,068 ft.

| BORE HOLE |      |       | SEAL     |      |     | sacks/ lbs |   |
|-----------|------|-------|----------|------|-----|------------|---|
| Dia       | From | To    | Material | From | To  | Amt        |   |
| 30        | 0    | 47    | Cement   | 0    | 405 | 528        | S |
| 18        | 47   | 405   |          |      |     |            |   |
| 12        | 405  | 710   |          |      |     |            |   |
| 10        | 710  | 1,068 |          |      |     |            |   |

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 \_\_\_\_\_  
 Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

(6) CASING/LINER

| Casing                              | Liner                    | Dia | +                                   | From | To    | Gauge | Stl                                 | Plstc                    | Wld                                 | Thrd                     |
|-------------------------------------|--------------------------|-----|-------------------------------------|------|-------|-------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 18  | <input checked="" type="checkbox"/> | .7   | 47    | .375  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12  | <input checked="" type="checkbox"/> | 2    | 405   | .375  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/>            | <input type="checkbox"/> | 10  | <input type="checkbox"/>            | 380  | 678   | .250  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/>            | <input type="checkbox"/> | 10  | <input type="checkbox"/>            | 678  | 710   | .365  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/>            | <input type="checkbox"/> | 8   | <input type="checkbox"/>            | 695  | 1,068 | .322  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Shoe  Inside  Outside  Other \_\_\_\_\_ Location of shoe(s) \_\_\_\_\_  
 Temp casing  Yes Dia \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

(7) PERFORATIONS/SCREENS  
 Perforations Method rotary (in 10" liner); factory in 8"  
 Screens Type V-wire wrap Material 304SS

| Perf/S | Casing/ | Screen | Dia   | From  | To  | Scrn/slot | Slot       | # of  | Tele/     |
|--------|---------|--------|-------|-------|-----|-----------|------------|-------|-----------|
| green  | Liner   |        |       |       |     | width     | length     | slots | pipe size |
| Perf   | Liner   | 10     | 405   | 700   | .19 |           | 1          | 8,850 | PS        |
| Perf   | Liner   | 8      | *     | *     | .19 |           | 2.5        | *     | PS        |
| Screen | Liner   | 8      | 1,001 | 1,011 | .15 |           | continuous |       | PS        |

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
 Yield gal/min 1,020 Drawdown 194 Drill stem/Pump depth \_\_\_\_\_ Duration (hr) 24

Temperature 60 °F Lab analysis  Yes **RECEIVED**  
 Water quality concerns?  Yes (describe below)  
 From \_\_\_\_\_ To \_\_\_\_\_ Description \_\_\_\_\_ Amount \_\_\_\_\_ Units \_\_\_\_\_  
**WATER RESOURCES DEPT**  
**SALEM, OREGON**  
 MAY 01 2012

(9) LOCATION OF WELL (legal description)  
 County UMATILLA Twp 2 N N/S Range 33 E E/W WM  
 Sec 34 SW 1/4 of the NW 1/4 Tax Lot 4401  
 Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
 Lat \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Long \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of well  Nearest address  
71323 S Market Rd, Pendleton, OR 97801

(10) STATIC WATER LEVEL Date \_\_\_\_\_ SWL(psi) \_\_\_\_\_ + SWL(ft) \_\_\_\_\_  
 Existing Well / Predeepening \_\_\_\_\_  
 Completed Well 11-23-2011 \_\_\_\_\_ 59  
 Flowing Artesian?  Dry Hole?

WATER BEARING ZONES Depth water was first found

| SWL Date          | From         | To             | Est Flow     | SWL(psi) | + SWL(ft)    |
|-------------------|--------------|----------------|--------------|----------|--------------|
| <u>Various</u>    | <u>55</u>    | <u>395</u>     | <u>NM</u>    |          | <u>62-60</u> |
| <u>11-23-2011</u> | <u>408**</u> | <u>1,158**</u> | <u>1,020</u> |          | <u>59</u>    |

\*\*see formation log attached

(11) WELL LOG Ground Elevation \_\_\_\_\_

| Material                    | From  | To    |
|-----------------------------|-------|-------|
| see attached formation log  |       |       |
| * Perforations in 8" liner: |       |       |
| 1824 slots                  | 721   | 781   |
| 608 slots                   | 821   | 841   |
| 608 slots                   | 881   | 1,001 |
| 1760 slots                  | 1,011 | 1,068 |

Date Started 05-18-2011 Completed 11-23-2011

(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 1797 Date 04-30-2012  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed [Signature]

(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 649 Date 04-30-2012  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed [Signature]  
 Contact Info (optional) \_\_\_\_\_

**Confederate Tribes of the Umatilla Indian Reservation - Well No. 6  
by Schneider Drilling Co.  
Start Card W201155; Label #L100770**

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WATER RESOURCES DEPT  
SALEM, OREGON

| <u>FM</u> | <u>TO</u> | <u>DESCRIPTION</u>   | <u>WB?</u> | <u>SWL</u> |
|-----------|-----------|--|------------|------------|
| 0         | 2         | Topsoil  |            |            |
| 2         | 4         | Clay, brown, soft  |            |            |
| 4         | 6         | Clay, brown, gravel, cobbles, sandy  |            |            |
| 6         | 8         | Gravel, cobbles & sand   |            |            |
| 8         | 22        | Gravel, cobbles & sand w/cementation   |            |            |
| 22        | 25        | Gravel, cobbles & sand, multicolored, coarse w/cementation & clay, brown, medium   |            |            |
| 25        | 30        | Gravel, cobbles & boulders; cemented   |            |            |
| 30        | 45        | Basalt, brownish gray, medium, some fractures                                      |            |            |
| 45        | 55        | Basalt, gray, hard, occasional fracture  |            |            |
| 55        | 80        | Gravel, multicolored, 2"- & some cobbles   | X          | 52         |
| 80        | 90        | Basalt, brown, soft w/claystone, brown, soft-medium                                |            |            |
| 90        | 111       | Basalt, brown & gray, medium, fractured  |            |            |
| 111       | 131       | Gravel, brown & gray, 2"-  | X          | 55         |
| 131       | 151       | Gravel, brown, 1"- w/claystone, tan, soft, medium                                  | X          | 60         |
| 151       | 172       | Basalt, brown & gray, medium, fractured, some vesicles                             |            |            |
| 172       | 186       | Basalt, brown & gray, weathered, soft-medium, occ. quartz                          |            |            |
| 186       | 263       | Basalt, gray & brown, hard, fractured, occ. Claystone, white & green, hard         |            |            |
| 263       | 271       | Basalt, red, medium, fractured, some claystone, tan & green, medium                |            |            |
| 271       | 305       | Basalt, red, medium, fractured, some claystone, tan, medium                        |            |            |
| 305       | 336       | Basalt, brown, broken  | X          | 60         |
| 336       | 361       | Basalt, red & brown, soft-medium, fractured, vesicular w/claystone, tan, medium    |            |            |
| 361       | 384       | Basalt, brown, medium, fractured w/claystone, tan, medium                          |            |            |
| 384       | 395       | Basalt, brownish gray, medium, broken  | X          | 60         |
| 395       | 408       | Basalt, dark gray, medium, frac. w/claystone, black-green-brown, med.; some quartz |            |            |
| 408       | 416       | Basalt, brown, medium, some fractures  | X          | 60         |
| 416       | 428       | Basalt, brown & red, medium, fractured w/claystone, tan, medium                    |            |            |
| 428       | 432       | Basalt, black, medium, fractured w/claystone, blue, medium                         |            |            |
| 432       | 441       | Basalt, brown, medium, fractured w/claystone, brown, medium                        |            |            |
| 441       | 473       | Basalt, gray, hard some fractures w/claystone, green & brown, medium; some quartz  |            |            |
| 473       | 501       | Basalt, brown & red, medium, fractured, some vesicles w/claystone, tan, medium     | X          | 60         |
| 501       | 521       | Basalt, brown, medium, fractured   | X          | 60         |
| 521       | 600       | Basalt, brown-black-red, med., frac., some vesicles w/claystone, tan & blue, med.  | X          | 62         |
| 600       | 605       | Basalt, brown & red, medium, fractured   |            |            |
| 605       | 620       | Basalt, brownish gray, hard, fractured   |            |            |
| 620       | 662       | Basalt, brown, medium, vesicular w/claystone, tan, med. some clay, brown, soft     |            |            |
| 662       | 709       | Basalt, gray, medium-hard, fractured   |            |            |

# UMAT 57015

## Confederate Tribes of the Umatilla Indian Reservation - Well No. 6

by Schneider Drilling Co.

Start Card W201155; Label #L100770

| <u>FM</u> | <u>TO</u> | <u>DESCRIPTION</u>   | <u>WB?</u> | <u>SWL</u> |
|-----------|-----------|--|------------|------------|
| 709       | 730       | Basalt, dark gray, med-hard, fractured, some vesicles                        | X          | 60         |
| 730       | 745       | Basalt, gray & brown, medium-hard, fractured                                 | X          | 60         |
| 745       | 756       | Basalt, brown, medium, fractured   | X          | 60         |
| 756       | 775       | Basalt, gray & brown, medium, fractured & some claystone, gray & tan, medium |            |            |
| 775       | 782       | Basaltm brown & gray, medium-hard, fractured                                 |            |            |
| 782       | 803       | Basalt, brown & gray, medium, fractured & some claystone, yellow, medium     |            |            |
| 803       | 805       | Basalt, dark gray, hard, fractured   |            |            |
| 805       | 817       | Basalt, gray & brown, medium-hard, fractured                                 |            |            |
| 817       | 832       | Basalt, brown, medium, fractured   | X          | 61         |
| 832       | 856       | Basalt, gray & brown, medium, fractured                                      |            |            |
| 856       | 877       | Basalt, gray, hard, some fractures   |            |            |
| 877       | 947       | Basalt, gray & brown, hard, fractured  |            |            |
| 947       | 956       | Basalt, red, soft, fractured, vesicular                                      | X          | 62         |
| 956       | 962       | Basalt, black, soft, fractured, some vesicles                                | X          | 62         |
| 962       | 996       | Basalt, dark gray, medium-hard, fractured                                    |            |            |
| 996       | 1008      | Basalt, brown, soft, fractured, vesicular                                    | X          | 62         |
| 1008      | 1015      | Basalt, black, soft, fractured, some vesicles                                | X          | 62         |
| 1015      | 1017      | Basalt, brown, soft, fractured, vesicular                                    | X          | 62         |
| 1017      | 1026      | Basalt, black & brown, soft, fractured, some vesicles                        | X          | 62         |
| 1026      | 1032      | Basalt, dark gray, soft-medium, fractured                                    | X          | 61         |
| 1032      | 1053      | Basalt, brown, soft-medium, fractured & some claystone, yellow, soft         | X          | 61         |
| 1053      | 1058      | Basalt, dark gray, soft-medium, fractured                                    | X          | 61         |
| 1058      | 1068      | Basalt, dark gray, medium-hard, some fractures                               |            |            |

NOTES: WB zones are estimated.

SWL changes can be from other well pumping, atmospheric pressure change, & seasonal.

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