

RECEIVED

Clac
53918

STATE OF OREGON
WATER SUPPLY WELL REPORT

OCT 26 1998

Skyles Drilling, Inc.
1169 Molalla Ave.
Oregon City, OR 97045

WELL I.D. # L 27051
START CARD # 115778

(as required by ORS 537.765) WATER RESOURCES DEPARTMENT

(1) OWNER: Well Number 02
Name Zig Zag Water Co-op
Address PO Box 268
City Rhododendron State OR Zip 97049

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Holte

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 203 ft.
Explosives used Yes No Type Amount

| HOLE | | SEAL | | | | | |
|----------|---------|----------|---------|-----------------|--|--|--|
| Diameter | From To | Material | From To | Sacks or pounds | | | |
| 10 | 0 19 | Cem&Bent | 19 0 | 7 Sacks | | | |
| 9 1/2 | 19 118 | | | | | | |
| 8 | 118 185 | Cement | 185 140 | 29 Sacks | | | |
| 6 | 185 203 | Cem&Bent | 5 140 | 71 Sacks | | | |

How was seal placed: Method A B C D E
 Other Pumped
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

| Diameter | From | To | Gauge | Steel | Plastic | Welded | Threaded |
|-------------|--------|-----|-------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Casing: 8 | +1 1/2 | 106 | .250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8 | 106 | 124 | .375 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 | 5 | 185 | .250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10 | 12 | 14 | .250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Liner: None | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Final location of shoe(s) 14'

(7) PERFORATIONS/SCREENS:

| From | To | Slot size | Number | Diameter | Tele/pipe size | Casing | Liner |
|------|----|-----------|--------|----------|----------------|-------------------------------------|--------------------------|
| None | | | | | | <input checked="" 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"/> |

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
100 200 1 hr.
50 Flowing Artesian
Temperature of water 51° Depth Artesian Flow Found 195' - 199'

Was a water analysis done? Yes By whom
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
Depth of strata: 87' to 127'

(9) LOCATION OF WELL by legal description:
County Clackamas Latitude Longitude
Township 2 South N or S Range 7 East E or W. WM.
Section 34CB NW 1/4 SW 1/4
Tax Lot 1500 Lot Block Subdivision
Street Address of Well (or nearest address) 23777 E. Rockwood Creek Ln. Zig Zag, OR

(10) STATIC WATER LEVEL:
ft. below land surface. Date
Artesian pressure 20 lb. per square inch. Date 10-20-98

(11) WATER BEARING ZONES:
Depth at which water was first found 16'

| From | To | Estimated Flow Rate | SWL |
|------|-----|---------------------|-----|
| 16 | 55 | 100 | 15 |
| 58 | 84 | 100 | 15 |
| 87 | 127 | 200 | 15 |
| 135 | 157 | 200 | 15 |
| 195 | 199 | 100 | + |

(12) WELL LOG:
Ground Elevation

| Material | From | To | SWL |
|---------------------------------|------|-----|-----|
| Soil Brown sandy w/ Cobblestone | 0 | 4 | |
| Sand & Gravel Gray | 4 | 34 | |
| Gravel & Sand Gray | 34 | 52 | |
| Glacial Till Multicolor | 52 | 55 | |
| Lava Gray & White | 55 | 58 | |
| Glacial Till Multicolor | 58 | 84 | |
| Consolidated Glacial T | 84 | 87 | |
| Glacial Till Multicolor | 87 | 126 | |
| Consolidated Glacial T | 126 | 135 | |
| Glacial Till Multicolor | 135 | 157 | |
| Consolidated Glacial T | 157 | | |
| MC w/seams of Ash tan | | 165 | |
| Cons. Glacial Till MC | 165 | 173 | |
| Lava Gray & White | 173 | 195 | |
| Lava Grn&Brn fractured | 195 | 199 | + |
| Lava Gray | 199 | 203 | |
| SKYLES DRILLING, INC. | | | |

Date started 8-27-98 Completed 10-21-98
(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, 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.

Signed *Alan W. K...* WWC Number 1601 Date 10/21/98

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, 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.

Signed *Steven C. Bland* WWC Number 1592 Date 10-22-98