

Newberry Well 23-22
Lease Number 45505
Location
400' East and 1500' south of NW corner
Sec. 22, T21S, R12E
Deschutes County, Oregon

- 6/10/02 Baker Atlas logging truck on site 8am. Checked well pressure, thirty (30) psi pressure. Killed well with fresh water. Rigged up BOP. Ran MIT logging tool to $\pm 660'$; encountered obstruction. Suspended logging and released logging rig.
- 6/19/02 Moved rig and equipment to well number 23-22. from well 88-21TCH.
- 6/20/02 Nipped up 13 5/8" Hydril and closing unit. Rigged up floor and 2 7/8" equipment. Made up 8 1/2" bit, bit sub. Ran in hole with 2 7/8" tubing to $\pm 665'$; bad spot in casing. Worked tubing through tight spot. Ran in hole to 775'. Pulled out of hole
- 6/21/02 Waited on tubing from Woodland Ca. Tubing on location at 11:00 pm.
- 6/22/02 Rigged up light plant, filled mud tank with fresh water. Picked up 8 1/2" bit and ran in hole to 4340'. Pumped 25 BBLs water down tubing, pulled out of hole. Laid down 8 1/2" bit and bit sub. Picked up Halliburton EZ drill cement retainer. Ran in hole to 4309' and set retainer. Placed 2000 psi on retainer and pulled 34,000 over to sear pins. Circulated well.
- Rigged up Halliburton. Set plug number 1, 357' (47BBLs) 163 sacks class "G" + 40% SF + .65% CFR-3, Displaced with 20 BBLs fresh water. Pulled out of hole; laid down Halliburton setting tools. Shut well in. Waited on cement for 8 hours. Ran in hole opened ended; tagged top of cement at 4134'.
- Reversed out cement, 2 BBLs cement. Rig up Halliburton and set plug number 2, 150' (80 Sacks) 23 BBLs class "G" cement + 40% SF + .65% CFR-3, displaced with 20 BBLs water. Pulled out of hole 180'. Displaced hole with 505 BBLs mud vis. 45, weight 8.8, and ph 10.2. Laid down tubing to 700'.
- Rigged up Halliburton. Pumped plug number 3, 250' 67 BBLs, 231 BBLs Class "G" + 40% SF + .65% CFR-3 + 3% Calc. Displaced with 1.4 BBLs water. Pulled out of hole. Shut well in. Waited on cement.
- 6/23/02 Ran in hole opened ended with 2 7/8" tubing. Tagged top of cement at 300'. Displaced hole with 39 BBLs, vis. 45, weight 8.8 and a PH of 10.2

mud. Laid down tubing to 60'. Rigged up Halliburton and set plug number 4, 60', 25 sacks, 7.3 BBLs Class "G" + 40% SF + .65% CFR-3 + 3% Calc. Laid down tubing. Cemented to surface. Nipped down hydraulic master valve and expansion spool. Rigged down and released rig for move to Woodland Ca.

7/1/02 Cut off 20" wellhead and welded on flat plate with wellhead number and date. Replaced water bars.

7/2/02 Loaded out 3 1/2" drill rod, 1.90 tubing, 7" well head, 22" well head off well 88-21TCH, 22" x 12" expansion spool and 12" master valve off well 23-22 and moved back to yard in Newell, Ca.