

J.R. STATE #1
Workover

- 11/26/96: Rig up pulling unit (El Toro Well Service). Release packer and trip out of hole with tubing, shut down. Stood back 81 stands. Layed down 40 joints.
- 11/27/96: Rig up Computalog. Trip in hole and tie. Set CIBP with 35' cement at 6260'. Trip in hole and perforate 5151' to 5155' (9 holes) 2 shots per foot, and 5178' to 5188' (21 holes) 2 shots per foot. Rig down Computalog. Trip in hole with 2 3/8 X 5 1/2 Model R Packer, S.N. and 163 joints 2 3/8 tubing. Set packer at 5065' with 15 points. Flange up well head. Rig up to swab. Made three runs and swabbed dry. Rig up Halliburton. Acidize well with 500 gallons 15% NeFe with 60 balls. Max pressure 3500# (ball out), breakdown 2563#, average pressure 2200#, average rate 3.5 BPM, ISIP 1080#, 5 minute 483#, 10 minute 230#, 15 minute 70#. Load to recover 40 barrels. Rig down Halliburton. Rig up to swab. Made six runs and swabbed dry. Recovered 30 barrels. Shut down, shut in.
- 12/02/96: SITP 600#. Blew down. Rig up to swab. Tag fluid at 4000' from surface (acid water). Made one run and rigged down swab. Release packer. Rig up to swab. Tag fluid at 1500' from surface. Made 11 swab runs and recovered 40 barrels water. Rig down swab. Trip out of hole with tubing and packer. Trip in hole with 2 1/2 X 5 1/2 MX100 - 10 K packer, 2 7/8 S.N., 2 7/8 X 3 1/2 x-over with collar, and 30 joints 3 1/2 N-80 tubing. Set packer at 925' with 25 points tension. Install BOP. Shut in and shut down.
- 12/03/96: TP 250. Blew down. Rig up Halliburton. Frac down 3 1/2 tubing and 5 1/2 casing with 7000 gallons Delta Frac Mud (25 BPM, 2100#), 13,785 gallons Delta Frac with 1 - 4 lb/gal 20/40 brown sand (30,000 lbs) (27 BPM, 1850#), 5978 gallons Delta Frac with 4 lbs/gal 20/40 brown sand (20,000#) (25 BPM, 2100#), 4522 gallons base gel flush (22 BPM, 3600#). ISIP 3100#, 5 minutes 1540#, 10 minutes 1510#, 15 minutes 1475#. Load to recover 710 bbls. Shut in & shut down. Rig down Halliburton.
- 12/04/96: TP 0. Release packer and trip out of hole laying down 3 1/2 tubing. Trip in hole with 2 3/8 X 5 1/2 Model R Packer, S.N. and 163 joints 2 3/8 N-80 tubing. Left packer swinging. Rig up to swab. Made 17 runs and recovered 146 barrels water. Fluid level on last run was 2400' from surface. Shut in and shut down.
- 12/05/96: Slight blow on tubing. Rig up to swab. Tag fluid at 1600' from surface. Made 20 swab runs and recovered 80 barrels water. Gas in front of runs. Total recovery since frac job 226 bbls. Shut in and shut down.