

4-6-90 Friday

MI Frac tanks and Rig equipment, started water haul.

4-7-90 Saturday

RU Monument Well Service Rig #7. NU a 7-1/16" 5m BOP. PU a used 4-3/4" bit, 5 1/2" csg scraper. Strapped and RIH with 2-3/8" tbg. Tagged at 2199'. RU to drill and drilled out of DV tool at 2250'. RIH with tbg, tagged at 2274', drilled for 1/4 hr with heavy torque spikes, tagged at 2290' and fell thru. RIH with bit to 2325'. Circulated for 1/4 hr, RD power swivel. POOH and laid down 2-3/8" tbg. RU RMWS and pulled cased hole logs. Tagged PBDT at 6601'. Logged from 6594' to 3790'. Cement top on 1st stage at 3950' with good cement bond. Logged 2nd stage from 2800' to 1100'. Fair cement bond from 2690' to 1315'. Logged well with 1500 psi surface pressure. sdfn. Daily cost \$7980.00

4-8-90 Sunday

RU pump and pressure tested csg, BOP, and tbg head to 4500 psi. Held test for 5 minutes with 25 psi leak off. RU RMWS and perforated at 6154'6154.5'6220'6248'6259'6268'6324'6325'6332'6333'6371'6423'6424'6425'6426'6461'6468'6471'6480'6533'6534'6535'6536' with 23--12 gram JS using select fire technique. POOH and RD RMWS. PU 2 joints tail string, 5 1/2" Model R-3 packer, 1 jt, SN, Strapped and RIH with 2-1/16" IJ tbg. Tagged PBDT at 6620'. RU pump and reverse circulated well clean with bottom of tbg at 6619'. POOH and set packer at 6003' with bottom of tbg landed at 6065'. Left tbg open to pit. Roads to muddy to move in Break down and Frac trucks sdfn. Daily cost \$4,460.00

4-11-90 Wednesday

RU Western, pumped 1000 gallons 7 1/2% HCL and dropped 46 ball sealers. Flushed with 24 bbls 2% KCL water and pumped 48 total bbls.

Initial 5400 psi at 3.5 bpm.  
Average 6700 psi at 4.2 bpm.  
Final Ball out to 7000 psi. Surged off ball sealers, waited 5 minutes, pumped 5 bbls flush, 6000 psi at 4.3 bpm, Isip 2300 psi. Flowed well back for 1/2 hr. RU to swab, pulled 10 runs, recovered 49 bbls gas cut fluid. Pulled last 4 runs 1 hr apart. Recovered a trace of water on last run. Started flow test on a 1/4" plate at 4:35 pm.

4:50 pm, FTP 51 psi, Rate 22 mcf/d.

5:05 pm, FTP 77 psi, Rate 31 mcf/d.

5:20 pm, FTP 97 psi, Rate 38 mcf/d.

5:35 pm, FTP 105 psi, Rate 40 mcf/d.

Caught gas sample. Removed test equipment. Released packer, RIH to 6620'. POOH with tbg, laid down packer. sdfn.

Daily cost \$7,860.00

