

PEOC State 2 #1
Black River Morrow
Eddy County, New Mexico
1980' FWEL & 660' FSNG
Sec. 2, T24S, R27E
Contractor: TMBR/Sharp
PTD: 12,800'
PEOC W.I.: 43.749994
H-40, AFE No.: 570-203
w/AFE Amount: \$458,489
Spud Date: 9-13-90

10-20-90 Day 37. Depth 12,263', 80% sh, 10% sd, 10% lm. Made 31' in last 24 hrs. MW 9.7, Vis 30, WL 8.8, FC film, PH 10, Cl 129,000, %sol 1.5. PP 1500#, strokes 108, liners 4-1/2" x 8". WOB 30,000, RPM 42, BHA - same. 2 hrs - PU test tools. 3 hrs TIH. Ran DST #1 12,198' - 12,232', Morrow Sand-Tested by Halliburton, conventional test, mechanically good cushion: 200' of wtr blanket. Open tool @ 11:36 AM 10/19/90. Obtained medium blow which increased during flow periods. GTS in 36 mins. Flow rate 58.9 MCFGPD in 4 mins into 2nd flow, decreasing to 45 MCFGPD. Drill pipe rec: 93' of wtr blanket, 90' of Drlg mud. Sample Chamber: Cl 62,600', 25 cc's mud, Rmf .08 @ 76°F, .45 ft3 gas. Sample Chamber press 56 psi. Pit mud - RM .055 @ 88°F, Cl 117,500 PPM. IHP 5958#. FHP 5958.5#, BHT 182°F. 1st flow - 15 mins, IFP 108.7 psi, FFP 108.7 psi, 1st SI 1 hr, ISIP 4560 psi, 2nd flow 4 hrs, IFP 108.7 psi, FFP 108.7 psi, 2nd SI 0 mins. Tool did not close on final shut-in. 4 hr second flow, did not get 2nd SI. POOH. LD test tools. TIH. Install rot head & wash to btm. 8' of soft fill. Pres Oper: Drlg w/bit #13 6-1/8", ATJ-33, jets 13/13/13.

10-21-90 Day 38. Depth 12,380', 60% sd, 40% sh. Made 117' in last 24 hrs. MW 9.7, Vis 30, WL 8, FC film, PH 10, Cl 127,000, %sol 1.5. PP 1500#, strokes 108, liners 4-1/2" x 8". WOB 30-35,000#, RPM 42-48, BHA - same. Pres Oper: Drlg w/bit #14, jets 13/13/13.

10-22-90 Day 39. Depth 12,533', 90% sh, 10% lm. Made 153' in last 24 hrs. MW 9.7, Vis 30, WL 8.0, FC film, PH 10, Cl 127,000, %sol 1.5. PP 1500#, strokes 108, liners 4-1/2" x 8". WOB 25-30,000, RPM 42, BHA - same. Pres Oper: drlg w/bit #14, jets 13/13/13.

10-23-90 Day 40. Depth 12,649', 70% sh & 30% sd. Made 116' last 24 hrs. MW 9.7, Vis 29, WL 9.8, FC film, PH 9.5, Cl 126,000, %sol 2.5, PV 1, YP 1. PP 1500, strokes 108, liners 4-1/2" x 8". WOB 25-30,000,