

Southwest Region

Chronological Well Record

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

RPM 42, BHA - Same. Drlg breaks: 12,604-608', 7-8 min/ft to 3 min/ft; 12,620-640', 7-8 min/ft to 3 min/ft, gas incr to 115 uts. BGG 30 uts, CG 40 uts, max 115 uts. Bit #14, 6-1/8", jets 13/13/13. Circ for DST #2. Pres Oper: POH for DST #2.

10-24-90 Day 41. Depth 12,649'. MW 9.7, Vis 29, WL 8.8, 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". Dev: 1-3/4° @ 12,607'. Bit #15, 6-1/8", jets 13/13/13. POH. Unload & PU Schlumberger-Johnson Test tools. Running DST #2. POH. Breakdwn & load out tst tools. TIH. Circ & cond hole for DST #3. Packer seat failed on first shut-in. Pres Oper: Circ for DST #3.

10-25-90 Day 42. Depth 12,649'. MW 9.6+, Vis 30, WL 9.2, FC film, PH 9.5, Cl 118,000, %sol 2, PV 1, YP 3. Bit #15, 6-1/8", jets 13/13/13. DST #2: set pkrs @ 12,590. Open tool for IFP of 15 mins. IFP - 558 psi. FFP - 643 psi. SI for 1 hr ISIP. 10 mins into ISIP, had gas to surface. TSTM. ISIP - 5650. Open tool for FFP. 10 mins into FFP, pkr seat failed. Circ for DST #3. POOH. Unload PU test tools. TIH w/DC's. Fill DC's w/fresh H2O (947'). TIH w/test tools. Testing 12,604-12,649'. POOH w/test tools. LD & load test tools. TIH. DST #3: IFP - 15 mins - weak blow in bucket. FFP-1hr - started w/1" in bucket & built to 2.5 psi in 55 mins. Had a 1000' water blanket.

10-26-90 Day 43. Depth 12,728', 80% sh, 10% lm, 10% sd. MW 9.6, Vis 30, WL 9.4, FC film, PH 9.5, Cl 102,000, %sol 2, PV 1, YP 3. PP 1500#, strokes 108, liners 4-1/2" x 8". WOB 25-30,000, RPM 42, BHA - same. BGG 80 uts, CG 180 uts, TG 1100 uts. Results of DST #3: 12,604-12,649' - Conventional test. Cushion: 1000' fresh wtr. Opened tool at 4:48 PM MST 10-24-90. Obtained weak blow which increased during flow periods. No gas to surf during any flow period. IHP 6211 psi, FHP 6212 psi, BHT 202°F. 1st flow 15 mins, IFP 435 psi. FFP 507 psi.