

DRILLSTEM TESTS

Nearburg & Ingram No. 1 Midhurst, Lea County, New Mexico

- DST #1: 9576-9594 (Lower Wolfcamp), 5/8" bottom choke & 1/2" top choke. Tool open 4 hrs, good blow immediately, gas to surface in 16 min. (95 MCFPD), good blow gas thruout test. Recovered 1953' HG&OC salt water & 4647' GC salt water. 30 minute ISIP 2945, FP 720 to 2820, 60 min FSIP 2900, IHP 4405, FHP 4343, BHT 150°.
- DST #2: 9635-9680 (Upper Penn), 3/4" bottom choke & 1/2" top choke, tool open 2 hrs, gas to surface in 8 min (308 MCFPD). Recovered 5795' fluid as follows: unloaded estimated 10 bbls HO&GCM & reversed out 33 bbls of 41° gravity oil + 2 bbls HO&GCM. Recovered below circ sub 180' HO&GCM & 240' salt water. IHP 4445, 30 min ISIP 3255, IFP 260, FFP 1195, 60 min FSIP 2910 (still increasing), FHP 4400, BHT 152°.
- DST #3: 9700-9752, tool open 3 hrs, gas to surface in 6 min (156 MCFPD). Recovered 3700' fluid: reversed out 25 bbls (45°) oil & 10 bbls HO&GCM + 420' salt water below circ sub. IHP 4620, 30 min ISIP 990, FP 315 to 930, 60 min FSIP 970, FHP 4595, BHT 150°.
- DST #4: 11,086-11,130, 3/4" bottom choke, 1/2" top choke, 1500' water blanket. Tool open 2½ hrs, WB to surface in 10 min, gas to surface in 12 min (too much fluid to measure accurately), oil to surface in 20 min. Flowed to pits for 36 minutes, flowed to tank for 30 minutes (11 bbls oil), flowed to tank for 60 minutes (22.3 bbls oil). Tubing pressure = 1950 on 1/2" choke. Shut-in tool, unloaded 13 bbls oil, reversed out 15 bbls oil + 90' water below sub. IHP 5375, 45 min ISIP 3565, IFP 2080, FFP 3525, 207 min FSIP 3565, FHP 5375, BHT 163°.
- DST #5: 11,335' - 11,400', 2000' water blanket. Tool open 50 minutes, recovered WB & 120' GCM. IHP 5200, 30 min ISIP 1250, IF & FFP 880, 30 min FSIP 1120, FHP 5135, BHT 164°.
- DST #6: 12,080' to 12,211', 5/8" bottom choke, 2000' water blanket. Tool open 2 hrs & 49 min, opened w/strong blow, WB to surface in 31 min, O&GCM in 49 min, oil in 54 min. Turned to tank for 66 minutes. Flowed 49 BO/1 hour on 1/4" choke, surface pressure 560 psi, GOR 520:1. Flowed 49 BO/30 min on 3/8" choke, surface pressure 430 psi, GOR 391:1. Reversed out 135 BO & recovered 480' oil + 20' BS below circ sub. 60 min ISIP 4640, IHP 5990, FP 3745 to 4510, 60 min FSIP 4640, FHP 5965, BHT 230°, gravity of oil 50° to 52°.

Core No. 1

12,211' to 12,222', recovered 11' white, coarsely xln dolomite, extremely vuggy w/ good stain.

