

YATES PETROLEUM CORPORATION

Foundation ALO Federal Com #1
Unit J, Sec. 11-T20S-R30E
Eddy County, NM

DRILL STEM TESTS

DST #1 1530-1606' YATES: TIMES: 15", 60", 60", 180", 55". RECOVERY: 50' (.44 bbls) drilling mud, C1 41000. SAMPLER: 35 psi, .05 cfg, 1900 cc mud, C1 41000. PRESSURES: Depth 1600', BHT 81°F, IHP 739, IFP 66-77, ISIP invalid, 2nd FP 77-83, 2nd SIP 225, FFP 89-94, FHP 733.

DST #2 1643-1699' YATES: TIMES: 15", 60", 45", 120", 30". RECOVERY: 5' (.02 bbls) drilling mud, C1 44000. SAMPLER: 5 psi, 2000 cc mud, C1 44000. PRESSURES: Depth 1693', BHP 84°F, IHP 779, IFP 43-43, ISIP 145, 2nd FP 43-43, 2ND SIP 219, FFP 43-43, FHP 770.

DST #3 1953-1975' (CAPITAN REEF: DST #3 was run for recovery only. Recovered 2 bbls mud, C1 42000. Pit mud 40000 ppm. POOH.

DST #4 4371-4403' DELAWARE: TIMES: 15", 60", 60", 180", 60". RECOVERY: 30' (.14 bbls) drilling mud, C1 52000 and 450' (2.1 bbls) formation water. SAMPLER: .013 cfg, 2400 cc water, C1 137000, Rw at 75 deg, at 50 deg. BHT: 90 deg. F. PRESSURES: Depth 4341', IHP 1961, IFP 5-32, ISIP 1923, 2nd FP 32-147, 2nd SI 1934, 3rd FP 204-317, FHP 1960.

DST #5 9690-9733' 3RD BONE SPRING SAND: TIMES: 15", 60", 60", 180", 60". RECOVERY: DP 3441' (48.9) of brine, C1 174000 + DC 805' (3.9 bbls) of brine, C1 173000. SAMPLER: 1.7 cfg, 1650 cc of 37.6 gravity oil @ 60°, 100 cc water, C1 173000, Rw .05 @ 70°, at 650 psi at 70°. BHT: 137° F. PRESSURES: Depth - 9661', IHP 4997, IFP 370-446, ISIP 1374, 2nd FP 522-776, 2nd SI 1651, 3rd FP 1666-1984, FHP 4997.

DST #6 9685-9733' 3RD BONE SPRING SAND: TIMES: 15", 60", 60", 195", 60". RECOVERY: *1934' (20 bbls) of brine, C1 175000, 175' (.68 bbls) of formation water, C1 161000 (middle), 145000 (btm). #1934' of recovery estimated. While TOH, Schlumberger pumped out sub failed, dumping most of recovery. Recovery below pump out sub was de-emulsifier cushion + 175' formation water, C1 range 161000 to 145000. SAMPLER: .28 cfg, 2325 cc water, C1 145000, Rw .05 @ 70°, at 600 psi at 70°. BHT: 131° F. PRESSURES: Depth - 9727', IHP 5032, IFP 167-205, ISIP 5032, 2nd FP 417-542, 2nd SI 5057, 3rd FP 993-1130, FHP 5045.

DST #7 9950-10055' WOLFCAMP: TIMES: 15", 60", 60", 180", 60". RECOVERY: 90' (.44 bbls) of drilling mud, C1 176000. SAMPLER: 2300cc mud, 176000 Ch1. PRESSURES: Depth - 9932, IHP 5206, IFP 129-129, ISIP 192, 2nd FP 129-145, 2nd SI 176, 3rd FP 129-145, FHP 5206.

DST #8 10045-10100' WOLFCAMP: TIMES: 15", 60", 60", 180" 480". RECOVERY: 8100' (107 bbls) of formation water, C1 137000 top, 133000 bottom. SAMPLER: .11 cfg, 2450 cc water, 133000 Ch1. BHT: 152°F. PRESSURES: Depth 10094', IHP 5271, IFP 1830-4027, ISIP 4521, 2nd FP 4153-4429, 2nd SI 4440, 3rd FP 4429-4440, FHP 5253.