

YATES PETROLEUM CORPORATION

CHAMMOIS AKE FEDERAL COM #1, NM 0473817
Unit G, 1980' FNL, 1980' FEL
Sec. 33-T20S-R29E
Eddy County, NM

DRILL STEM TESTS:

DST #1 3609-3670' DELAWARE: TIMES: 10", 60", 60", 180", 60". RECOVERY: 566' (2.76 bbls) rathole mud and formation water. SAMPLER: .008 cfg, 2550 cc water, Cl 86000, 0.70 Rw @ 60°, 40 psi. PRESSURES: Depth - 3620', IHP 1584, IFP 48-60, ISIP ---, 2nd FP 108-168, 2nd SIP 1584, FFP 228-276, FSIP 1548, FHP 1584.

DST #2 9478-9575' WOLFCAMP: TIMES: 5", 60", 60", 180". RECOVERY: 1614' (23 bbls) oil. Total actual recovery was 23 BO in drill pipe and 13 BO in test tank for 36 BO. SAMPLER: 2750 psi, 13.3 cfg, 700 cc 46.5° oil @ 60°. PRESSURES: Depth - 9569', IHP 5099, IFP 980-1018, ISIP 5010, FFP 1094-2416, FSIP 4972, FHP 5086.

DST #3 10558-10649' STRAWN "A": Opened tool with good blow on 1/4" choke - 5" 8 oz, 10" 3-1/2#, 15" 6#. Bottom of bucket in 4 minutes. On 2nd FP - opened tool with good blow on 1/4" choke - 5" 22#, 30" 23#, 60" 21#. Bottom of bucket in 1/2 minutes. GTS in 8 minutes. On 3rd FP - opened tool with strong blow on 1/4" choke 5" 12#, 30" 26#, 40" 27#, 60" 27#. RECOVERY: 271' (1.3 bbls) of cushion, Cl 145,000; 50' (2.4 bbls) of oil, 43° API Gravity @ 60° F.; 554' (2.7 bbls) of slightly gas cut mud, Cl 120,000. SAMPLER: 9.95 cfg, 100 cc of gravity oil @ 60°, 500 cc mud, Cl 110,000 at 1680 psi. PRESSURES: Depth 10539', IHP 5763, IFP 234-263, ISIP 3952, 2nd FP 234-307, 2nd SI 4416, 3rd FP 263-351, FHP 5674.

DST #4 10741-10764' STRAWN "B": Opened tool with no blow on 1/8" choke - 5" 1/4oz, 10" 1/4oz, 15" 1-1/2oz. On 2nd FP - opened tool with very weak blow on 1/8" choke - 5" 1-1/2oz, 15" 8 oz, 40" 9 oz, 60" 9 oz. Bottom of bucket in 12 minutes. On 3rd FP - opened tool with very weak blow on 1/8" choke - 5" 2 oz, 15" 9 oz, 30" 11 oz, 70" 11 oz, 80" 10 oz, 90" 10 oz. Bottom of bucket in 10 minutes. RECOVERY: 446' (2.2 bbls) of cushion, Cl 180,000 and 92' (.45 bbls) of water cut mud, Cl 107,000, Rw .058 @ 60°F. SAMPLER: .18 cfg, 2300 cc mud; (water cut) Chl 107,000, Rw .058 @ 60°F, at 190 psi. PRESSURES: Depth 10723', IHP 5500, IFP 355-355, ISIP 778, 2nd FP 371-371, 2nd SI 895, 3rd FP 371-371, FHP 5500.

DST #5 11676-11778' MORROW: Opened tool with weak blow. Lost packer seat after 4 mins. Closed tool. Reset packer - opened tool - no packer seat. Closed tool. Circulated bottoms up.