

DRILL STEM TESTS

Yates Petroleum Corp. Lusk "AHB" #3 (Unit J) 35-19S-32E Lea County, NM

DST #1 2936-3152 (216') TIMES: 10", 60", 60", 180", 60". RECOVERY: 450' (2.9 bbls) drilling mud, Cl 164,000; 1867' (25.2 bbls) formation water, Cl 104000. SAMPLER: .003 cu ft gas, 2475 cc water, Cl 103000, Rw .08 @ 60 deg. Pressure 50 psi @ 60 deg. PRESSURES: Depth 3146' IHP 1748, IFP 719-887, ISIP 1416, 2nd FP 1006-1214, FSIP 1383, FFP 1259-1321, FHP 1753, BHT 88 deg. F.

DST #2 Interval 4737-4813'. TOH. reversed out recovery.

DST #2 4737-4813' DELAWARE: TIMES: 10", 60", 60", 180", 60". RECOVERY: 120' (1.7 bbls) of drilling fluid, Cl 38000 + 1556' (15 bbls) of formation water, Cl 114000. SAMPLER: 120 psi at 60 deg, .03 cu ft gas, 2400 cc water, Cl 130,000, Rw .07 at 60 deg. BHT: 90 deg F. PRESSURES: Depth 4707' IHP 2064, IFP 38-208, ISIP 1827, 2nd FP 241-584, 2nd SI 1813, 3rd FP 579-835, FHP 2056.

DST #3 4936-4978' DELAWARE: TIMES: 10", 60", 60", 180", 60". RECOVERY: 12' (0.06 bbls) drilling fluid, Cl 36000 SAMPLER: 20 psi at 20 deg., 0.05 cu ft gas. BHT: 94 deg. f. PRESSURES: DEPTH 4904', IHP 2217, IFP 28-29, ISIP 276, 2nd FP 38-38, FSIP 112, FFP 41-42, FHP 2216.

DST #4 5053-5071" DELAWARE: TIMES: 10", 60", 60", 120", 60", RECOVERY: 30' (0.18 bbls) drilling fluid, Cl 35000. SAMPLER: 31 psi at 60 deg., 0.06 cu ft gas, 2300 cc mud, Cl 35000. BHT: 92 deg F. PRESSURES: DEPTH 5027', IHP 2274, IFP 28-32, ISIP 82, 2nd FP 39-43, FSIP 81, FFP 49-52, FHP 2271.

DST #5 6210-6286": TIMES: 10", 60", 60", 120", 60". RECOVERY: 20' (.13bbls) oil, 118' (.76 bbls) drilling fluid, Cl 31000. SAMPLER: .15 cu ft gas, 500 cc oil (gravity 34 @ 60 deg), 1000 cc mud, Cl 31000. Pressure 57 psi @ 60 deg. BHT 99 deg F. PRESSURES: DEPTH 6176, IHP 2778, IFP 60-63, ISIP 853, 2nd FP 68-77, FSIP 381, FFP 88-92

DST #6 6367-6406' CANYON: TIMES: 10", 60", 60", 120", 60". RECOVERY: 80' (.36 bbls) of drilling fluid, Cl 31,000 + 125' (.61 bbls) of oil and gas cut formation water, Cl 51,000. SAMPLER: 95 psi at 60 deg, .51 cu ft gas, 50 cc oil and 850 cc water, Cl 51,000, .18 Tw at 60 deg. BHT: 104 deg F. PRESSURES: DEPTH 6400', IHP 2896, IFP 57-72, ISIP 673, 2nd FP 96-110, 2nd SI 315, 3rd FP 118-132, FHP 2896.

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