

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

West Sombrero State Unit #1
Unit J 16-16S-33E
Lea County, New Mexico
Lease No.: V-1767

DST #1 3893-3952' (59') QUEEN: TIMES: 15", 60", 60", 120", 15", RECOVERY: 30' drilling mud (Chl 161,000) + 90' formation water (Chl 83000). SAMPLER: 10' fill - plugged sample chamber. BHT: 98 deg. PRESSURES: DEPTH: 3939' IHP 2206, IFP 569-875, ISIP 1274, 2nd FP 580-1026, 2nd SI 1206, 3rd FP 766-1048, FHP 2177.

DST #2 11,106-11300' (194') SEAMAN. Misrun

DST #3 11,146-11,300' (154') SEAMAN. Misrun

DST #4 11,136-11,280 (144'). Misrun

DST #5 12,028-12,131 (103') CANYON: TIMES: 30", 60", 60", 180". RECOVERY: 676' gas cut drilling mud (Cl 180,000); 200 cc mud (Cl 49000). PRESSURES: IHP 5865 IFP 614-563, ISIP 1908, FFP 665-640, FSIP 1882, FHP 5852, BHT 166 deg.

DST #6 12,917-12,977 (60') ATOKA: TIMES: 5", 60", 60", 60", 240", 60". RECOVERY: 2060' cushion (Chl 186,000), 11-' (2bbbls) drilling mud (Chl 158,000), 7250' (103 bbbls) formation water (Chl 28000) = Total recovery 9420' (134 bbbls). SAMPLER: .5 cu ft gas, 2300 cc water at 880 psig. BHT: 182 deg F. PRESSURES: DEPTH 12,964, IHP 6662, IFP 947-1629, ISIP 6183, 2nd FP 1334-3110, 2nd SI 6183, 3rd FP 3667, FHP 6662.

DST #7 13,358-13580' (222') MORROW: TIMES: 30", 60", 60". RECOVERY: 2790' free gas, 2700' brine cushion and 180' heavily gas cut mud (Chl 70,000), 4830' drilling mud (Chl 72,000, Chl pit mud 72,000). SAMPLER: 1550 cc mud at 30 psi, Chl to mud 73,000. BHT: 190 deg F. PRESSURES: DEPTH 13,575, IHP 7055, IFP 1630-1667, ISIP 3389, 2nd FP 1611-1667, FHP 6963. REMARKS: Lost packer seat 55 mins into 2nd flow period.

DST #8 9882-10,020 (138'): TIMES: 30", 60", 60", 180", 60". RECOVERY: 100' drilling mud. Top Recovery: 42,000 Chl; Bottom Recovery; 42,000 Chl; Pit Sample: 48,000 Chl. SAMPLER: 2600 cc very slight oil and gas cut mud. Chl 40,000. BHT: 144 deg F. PRESSURES: DEPTH 9892', IHP 5246, IFP 125-125, ISIP 125, 2nd FP 125-155, 2nd SI 155, 3rd FP 155-155, 3rd SI 155, FHP 5246.

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