

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

Kathleen AFE #1

Unit N, Sec. 23-T16S-R37E

Lea County, NM

DST #1 6457-6559' SAN ANDRES: TIMES: TO 15", SI 60", TO 60", SI 120".

Opened with very weak initial blow, 1" in 10 minutes. Reopened with very weak initial blow. Had 1" in 30 minutes, 1-1/2" blow in 50 minutes.

RECOVERY: 150' mud. Rw .40 @ 60 F, Cl 18000 ppm SAMPLER: 50 cc oil and 1700 cc mud at 100 psi, Cl 18000 ppm. PRESSURES: Depth: 6453'. IHP 2936, IFP 63-82, ISIP 2456, FFP 91-157, FSIP 2371, FHP 2936.

DST #2 11634-606' (28') LOWER STRAWN: TIMES: TO 15", SI 60", TO 60", SI 180".

Opened tool with 1" in bubble hose. Remained at 1". Reopened with 1-1/2" in bubble hose. Increased to 4" in 30 mins; 4-1/2" in 60 mins. RECOVERY: 600' of 100% mud and 90' of 50% water and 50% mud. SAMPLER: .13 cfg, 1350 cc water at 120 psi (Chl 55000 ppm). PRESSURES: Depth 11622'. IHP 5508, IFP 76-113, FSIP 4177, FFP 131-204, FSIP 4177, FHP 5508.

DST #3 12024-11806' (218') LOWER STRAWN: TIMES: TO 15", SI 60", TO 30",

SI 180". Opened tool with very weak blow and remained weak. Reopened with no blow. Dead in 10 minutes. RECOVERY: 45' drilling mud. SAMPLER: 0 cfg, 1500 cc mud at 30 psi, Cl 57000 ppm. PRESSURES: Depth 12012'. IHP 5804, IFP 154-154, ISIP 265, FFP 154-173, FSIP 283, FHP 5804.

DST #4 11582-11760' (178'): TIMES: TO 15", SI 60", TO 60", SI 180". Opened

tool with weak blow. In 5 mins had 6" in bottom of bucket, no gas. Reopened with weak blow, 8" in bottom of bucket in 5 mins. In 10 mins, and thereafter, had blow on bottom of bucket, no gas. On 3rd open ahd weak blow, no gas. In 75 mins, blow stabilized at 13 ounces. Blow started decreasing in 120 mins from 12-3/4 ounces down to 12 ounces at end of open. RECOVERY: 186' drilling mud and 3363' formation water. SAMPLER: .162 cfg, 1950 cc fluid at 60 psi. PRESSURES: Bottom. IHP 5510, IFP 130-455, ISIP 3941, 2nd FP 498-1082, 2nd SIP 3767, 3rd FP 1082-2140, FHP 5510.

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