

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

Kestrel "ABE" Federal #1 - NM 38469
330 FSL & 1650 FEL, Sec. 30-T23S-R34E
Lea County, New Mexico

DST #1 7240-7396' (Brushy Canyon): TO 30"; SI 60"; TO 30"; SI 90".
Opened tool with very, very weak blow. In 5 minutes 1" in 5 gal bucket, 10 minutes 1-1/8", 15 minutes 2", 20 minutes 2-1/2" and 25 minutes 2-1/2" in bucket. Closed tool 60 minutes. Reopened tool with no blow throughout final flow. Closed tool. Sampler: 12 psi, very little drilling fluid, 0 cfg. Recovery: 544' drilling fluid. BHT: 115°. Pressures: IHP 3615; IFP 144-181; ISIP 3399; FFP 199-253; FSIP 3381; FHP 3615.

DST #2 8678-8830': TO 30"; SI 60"; TO 120"; SI 240". Opened tool with weak blow. Increased to strong blow. In 10 minutes after opening tool had 1#; 14 min 1-1/2#; 18 min 2# and stabilized end of 30 minutes flow period. Reopened tool with good blow (4# pressure). After 10 minutes had 5#; 20 minutes 5-1/2#, 24 minutes 6#; 48 minutes 6-1/2"; 60 minutes 7-1/2#; 85 minutes 7#. Sampler: 100 psi, .49 cfg; 1150 cc mud; total liquid 1150 cc. Recovery: 270' gas cut drilling fluid. BHT: 121°. Pressures: IHP 4405; IFP 145-163; ISIP 684; FFP 145-181; FSIP 1755; FHP 4405.