

Yates Petroleum Corporation

DRILL STEM TESTS

Pronghorn Unit #2 - L-4097
1980' FNL & 660' FEL
Section 30-T22S-R33E
Lea County, New Mexico

DST #1: 4937-4965'. TO 30"; SI 60"; TO 60"; SI 120". Tool opened with good blow. Reopened tool with good blow. GTS in 20 minutes. Recovery: 280' gas cut drilling fluid. Sampler: 1000 psi, 3.5 cfg, 1800 cc fluid. BHT: 106°. Pressures: HP 2550-2480; IFP 81-69; ISIP 1651; FFP 69-127; FSIP 1869'.

DST #2: 14687-14693'. Misrun.

DST #3: 14687-14693'. Misrun.

DST #4: 14687-14693': TO 30", SI 60"; TO 90", SI 180". Tool opened with weak blow increasing to fair blow. No gas to surface. Reopened with good blow increasing to 1/2# on 1/4" choke. Depleted to good blow. In 30 minutes increased to 1# on 1/4" choke, in 50 minutes had GTS and increased to 5-1/2# on 1/4" choke, in 1-1/2 hours decreased to 4# on 1/4" choke. Recovery: 341' muddy water (top of water blanket); 2000' water blanket and 403' GCM. Sampler: 2000 psi, 1500 cc gcm. BHT: 165 degree. Pressures:

Top Chart:

IHP	8217	IFP	1098
IFP	1098	FFP	1066
FFP	1005	FSIP	7142
ISIP	4727	FHP	8217

Bottom Chart:

IHP	8255	IFP	1178
IFP	1210	FFP	1210
FFP	1178	FSIP	7412
ISIP	4844	FHP	8255

DST #5: 15084-15247' (343') - Packers failed.

DST #6: 15060-15427: TO 30"; SI 60"; TO 90"; SI 180". Tool opened with very weak blow decreasing to zero. Reopened tool w/very weak blow decreasing to zero. Recovery: 5000' water blanket and 100' of gas cut drilling mud. Sampler: 500 cc mud, 1.2 cfg, 100 psi. Pressures: HP 8737-8527; IFP 2527-2546; ISIP 4018; FFP 2527-2546; FSIP 4478.