

YATES PETROLEUM CORPORATION

DRILL. STEM TESTS

Chalupa "AAD" State #2 - LG-2414
Unit L, 1650 FSL & 330 FWL
Section 13-T14S-R33E
Lea County, New Mexico

DST #1 5056-5196' (140'): TO 30"; SI 60"; TO 90"; SI 180". Tool opened with good blow. Opened on choke after 15 mins, no gas. Reopened tool with fair blow, 1/8" on bubble hose in 5 mins. One inch in 5 gallon bucket after 15 mins. Hose at top of 5 gallon bucket after 30 minutes. Decreased to a very weak blow in 45 minutes. No blow after 1 hour. Note: When opened by-pass to pull loose, fluid on annulus dropped. Acted like a lost circulation zone. Recovery: 4561' of drilling fluid and seep, 60' formation fluid. Sampler: 0 psi, trace of formation fluid and 0 cfg. BHT 102°. Pressures: IHP 2281; IFP₁ 1913, IFP₂ not reported; FFP₁ & 2 not reported; ISIP not reported; FSIP not reported; FHP 2281.

DST #2 9305-9354' Wolfcamp: TO 30"; SI 60"; TO 90"; SI 180". Opened tool with very weak blow, no blow at surface in 25 minutes. Re-opened tool with no blow. No gas to surface. Recovery: 7' drilling fluid. Sampler: 10 psi, .006 cu ft gas, 1300 cc mud. BHT 131°. Pressures: IHP 4477; IFP 72-72; ISIP 1041; FFP 72-72; FSIP 1950; FHP 4477.

DST #3 9828-9892' (64'): TO 30"; SI 60"; TO 120" SI 180". Opened tool with very strong blow. Gas to surface in 11 minutes. Pressure decreased from 52# @227.8 MCF on 3/8" choke to 40# @187 MCF on 3/8" choke. Closed tool. Reopened tool, pressure stabilized at 16# @45.57 MCF on 1/4" choke. Sampler: Pressure 1000; gas .853 cu ft; oil 50 cc; water 2400 cc. Total liquid 2450 cc. BHT 150°. Recovery: 80 bbls total (4 gas cut mud and oil, 6 gas cut oil, 4 gas cut oil & formation water and 66 gas cut formation water). Pressures: IHP 4749; IFP 955-1764; ISIP 2523; FFP 1764-2480; FSIP 2702; FHP 4749.

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