Matador Operating Company

Brantley Federal
Eddy Co., NM

API # 30-015-31414
Sec 34, T20S, R26E

01/16/01	TIH with 2.125" strip guns loaded 6 SPF with 14 gram charges for .27" x 23.6" penetration, 0 deg phase, CCL, and wireline. Perf 10264' - 10266' and 10270' - 10276'. Pressure increased from 0 psi to 1600 psi in 3 minutes. TOH with same. TIH with same. Perf 10303' - 10308'. SITP before perf - 1920 psi. No change after perf. TOH with same. RD Baker Atlas. SITP 2100 psi. Begin flow test with PPS flow equipment. Scattered fluid at surface. Unload scattered fluid/mist for 25 minutes on 18/64 choke. FTP increases to 3000 psi. Put production through test unit and gas meter. Flow well for 5 hours. Stabilized rate at 2.12 MMCFD at 2959 psi on 14/64. SWI at 10:00 pm 1/16/01. SITP after 10 hours at 3123 psi. Will begin 4 point test at 7:00 am 1/17/01.
01/17/01	10 hr SITP 3123 psi. Conduct 4 point test with stabilized rates and pressures as follows: 1) FTP 2743#, flow rate 5.185 MMCFD. 2) FTP 2881#, flow rate 4.259 MMCFD. 3) FTP 2979#, flow rate 3.318 MMCFD. 4) FTP 3023#, flow rate 2.230 MMCFD. Test completed in 11 hours. SWI. SITP after 12 hours at 3210 psi. Note: less than one bbl water total fluid produced during test.
01/18/01	13 hr SITP 3210 psi. RD PPS testers. Will continue construction of gas sales line. Aries Well Service remains rigged up due to bad road conditions (snow and ice).

01/22/01   Gas Analysis, sampled 1/17/01

Component	MOL %
Hydrogen Sulfide	0.000
Nitrogen	0.248
Carbon Dioxide	0.837
Methane	95.199
Ethane	2.414
Propane	0.523
I-Butane	0.064
N-Butane	0.095
I-Pentane	0.040
N-Pentane	0.030
Hexane Plus	0.550
	100.00

BTU/cu. ft. - dry	1052
At 14.650 dry	1048
At 14.650 wet	1030
At 14.73 dry	1054
At 14.73 wet	1036

Molecular weight: 17.3159
Specific gravity calculated: 0.597

01/22/01	Shut in, waiting on pipeline.
01/23/01	Shut in, waiting on pipeline. SITP 3275.
01/24/01	Shut in, waiting on pipeline.
01/25/01	Shut in, waiting on pipeline.
01/26/01	Set stack. Welded flowline from stack to road crossing.