

THRESHOLD DEVELOPMENT COMPANY
FLAG "TD" STATE COM WELL NO. 1
EDDY COUNTY, NEW MEXICO

DST #1 3200-3277' - San Andres. Tested through 3/8" top and bottom chokes. Opened tool 30 min., very weak blow with slight increase. Shut in 60 min. for ISIP. Tool opened 60 min., weak blow with slight increase. Shut in 120 min. for FSIP. Pulled test tool, recovered 305' sulphur water. Sample Chamber Recovery: .515 cu. ft. gas, 1800 cc sulphur water at 450 psi. IHP 1491-1555#, IPF 42-66#, FFP 93-106#, ISIP 1275-1305#, IPF 119-145#, FFP 185-198#, FSIP 1275-1305#, FHP 1497-1555#. BHT 84° F.

DST #2 7330-7466' - Bone Springs. Tested through 1/4" top choke and .59" bottom choke. Opened tool (closed chamber) 10 min., gas rate 265 MCFPD. Shut in 60 min. for ISIP. Tool opened 60 min., flowed gas on 1/4" choke for 20 min., stabilized flow of 239 MCFGPD average. Shut in 110 min. for FSIP. Pulled test tool, had trapped gas in DP causing DP to unload est. 924' oil (12.8 bbls.), 1000' sulphur water (13 bbls.). Resistivity .8 at 60°F. Sample Chamber Recovery: .20 cu. ft. gas, 700 cc oil, (44.7° grav. at 60°F), 380 cc drilling mud at 300 psi. Top Chart IHP 3548#, IPF 405-326#, (closed chamber 0-22# surface pressure), ISIP 2872#, FFP 481-1043# (closed chamber 36-100# surface pressure), FSIP 2596#, FHP 3491#. BHT 122° F.

DST #3 9674-9750' - Cisco. Tested through .59" bottom choke. Opened tool for 11 min. preflow. Shut in 73 min. for ISIP. Opened tool 60 min. for second flow. Shut in 44 min. second SIP. Tool opened 60 min. Shut in 108 min. for FSIP. Had weak blow throughout all flow periods. Pulled test tool, recovered 690' HGCM & LOCM (3 bbls.). Sample Chamber Recovery: 1.57 cu. ft. gas, 1660 cc mud, trace oil at 265 psi. Resistivity .45 at 70°F, chlorides 125,000 ppm. IHP 5053#, IPF 184-197#, ISIP 4663#, Second FP 235-337#, second SIP 4472#, FFP 312-362#, FSIP 4422#, FHP 5058#. BHT 152° F.

DST #4 9805-9842' - Cisco. Tested through .59" bottom choke. Opened tool 11 min. (20 MCFGPD). Shut in 60 min. for ISIP. Tool opened 61 min. (6 MCFGPD). Shut in 180 min. for FSIP. Pulled test tool, rec. 775' SGCDF in DP (4.3 bbls.). Resistivity of rec. mud .12 at 70° F. Sample Chamber Recovery: .46 cu. ft. gas, no oil, 800 cc mud, chlorides 90,000 ppm at 195 psi. IHP 5109#, IPF 145-224#, ISIP 2116#, FFP 224-325#, FSIP 2817#, FHP 5059#. BHT 156° F.

DST #5 10,497-10,578' - Atoka. Tested through 3/4" top and .59" bottom choke. Opened tool 16 min. for preflow with strong blow throughout (closed chamber), gas rate est. 1.5 MMCFPD. Shut in 67 min. for ISIP. Tool opened 13 min. with strong blow throughout. Shut in 32 min. for FSIP. Tool opened 40 min. for final flow, gas rate est. 2.7 MMCFPD on 3/4" choke. Shut in 100 min. for FSIP. Pulled test tool, rec. 341' gas cut drilling fluid in DP. Sample Chamber Recovery: 2.2 cu. ft. gas, no fluid at 350 psi. IHP 5580#, IPF 261-490#, ISIP 5351#, second flow FP 273-477#, second ISIP 5365#, FFP 579-388#, FSIP 5491#, FHP 5554#, BHT 161° F at 10,573'.

NOTE: The reason for the second flow period and second shut in was SPRO gauge was blown out of DST tool. This occurred on what would have been final flow period and tool was shut-in in an attempt to reset SPRO.