

MONSANTO COMPANY

Rock Tank Unit No. 2
Rock Tank Lower Morrow Gas Pool
Eddy County, New Mexico

DRILL STEM TEST RECORD:

- 6-22-68 DST #1 8710-76' Upper Cherokee, 12" preflow with strong blow increasing to very strong blow at end. SI 60". T.O. 2nd flow 30" with very strong blow. GTS in 27" of 2nd flow @ 23.5 MCFFD. 2nd SI 60". T.O. 3rd flow 45" @ 26.7 MCF decreasing to 23.4 MCF at end. 3rd SI 120". Recovered 490' GCM. Res. of mud @ top of rec. 3.0 @ 78°. Res. @ bottom of rec. 3.1 @ 85°. MFE 1140 c.c. mud. Res. 3.0 @ 88°, chl. 1500 ppm & 4/10 cu. ft. gas, 30 psi. Res. of pit mud 3.5 @ 75°, chl. 14,000 ppm. IHP 4158 psi @ 8764', IFP 51 psi, 60" ISIP 3869 psi, 30" 2nd flow 97 psi, 60" 2nd SIP 3844 psi, 45" FFP 136 psi, 120" FSIP 3831 psi. BHT 150°.
- 7-4-68 DST #2 10,109' to 10,134' Morrow Sand, 10" preflow w/fair blow. 10" IFP 51 psi, 60" ISIP 256 psi, 60" 2nd FP 38 psi, 180" FSIP 513 psi. IHP 4938 psi. FHP 4900 psi. Smplr. rec. 900 c.c. mud, no show of oil or gas.
- 7-6-68 DST #3 10,151' to 10,179' Morrow Sand. Rec. 210' mud in D.P., w/no gas show. Smplr. had no press., 200 c.c. mud & 0.5 cu. ft. gas. I&FHP 4809 psi. 32" IFP 110 psi, 62" ISIP 2193 psi, bldg; 60" FP 123 psi; 120" FSIP 3450 psi, bldg.
- 7-8-68 DST #4, 10,250' to 10,294' Morrow Sand. Had 15' fill & had to slide packer down. T.O. 3", losing a little mud. S.I. f/30" to make another conn. Had GTS in 2" of the S.I. T.O. 15" w/good blow of gas, 450 MCF decreasing to 400 MCF. S.I. 60". T.O. 60", 78 MCF. FSI 180". Rec. 1200' SW & 180' mud. Smplr., 800 psi, 1.8 cu. ft. gas, 900 c.c. H₂O, 55,000 ppm chl. IHP 4939 psi, FHP 4913 psi. 30" ISIP 4105 psi, bldg. slightly; 15" FP 333 psi; 60" SIP 3913 psi, bldg. slightly; 60" FP 616 psi; and 180" FSIP 3951 psi, bldg. slightly.
- 7-12-68 DST #5 10,410' to 10,552' Morrow Sand. 15" preflow BHFP 1475 psi @ rate of 7.9 MMCFPD. 60" ISIP 4310 psi, flat. 30" BHFP @ rate of 9.2 MMCFPD, max. 90" FSIP 4310 psi, flat. IHP 5170 psi, FHP 5131 psi. Rec. 60' cond. cut mud filtrate H₂O, chl. 3500 ppm. MFE smplr., 800 psi, 5.35 cu. ft. gas, no fluid.