

PENNZOIL UNITED, INC.

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ATLANTIC STATE NO. 1
SEC. 6, T-19-S, R-35-E
LEA COUNTY, NEW MEXICO

MAR 20 1970

OIL CONSERVATION COMM.
HOBBS, N. M.

DRILL STEM DATA:

DST #1 10,386-10,465': 15" pre-flow, fair blow; 90" ISIP; 2 hr FF, fair blow, decreased to weak blow; 2 hr FSIP; rec. 720' SO&GCØM; Sample chamber contained: 175# pressure, 2200cc oil & GCØM & 0.9 CFG; HPI & HPO 4771# - IF 51#; FF 347#; ISIP 2350#; FSIP 4045#; BHT 146°

DST #2 10,628-10,650': 15" pre-flow, weak to fair blow; 90" ISIP; 2 hr FF, good blow decreased to fair; 2 hr FSIP; rec. 10' drlg. mud in drill pipe; Sample chamber contained: 0# pressure & no fluid; IF 173#; FF 0#; ISIP 400#; FSIP 911#; HPI & HPO 4957#; BHT 145°

DST #3 10,754-10,793': 15" pre-flow, weak blow increased to fair; 90" ISIP; 2 hr FF, weak blow decreased throughout test; 2 hr FSIP; rec. 270' drilling mud; Sample chamber contained: 100# pressure, 0.5 CFG & 50cc SO&GCØM; HPI 4902# - HPO 4947#; IF 67#; FF 127#; ISIP 474#; FSIP 444#; BHT 147°

DST #4 11,950-12,027': 20" pre-flow, weak blow; 90" ISIP; 1 hr FF, weak blow decreased to very weak blow; 90" FSIP; rec. 20' ØM; HPI & HPO 5695#; IF & FF 37#; ISIP 90#; FSIP 50#; BHT 162°

DST #5 12,826-12,940': (Morrow Sand) used 2,000' WB; 15" pre-flow, weak blow; 90" ISIP; 2 hr FF, no blow; 2 hr FSIP; rec. 2,000' WB + 170' ØM; Sample chamber contained: 400# pressure, .8CFG & 100cc ØM; HPI & HPO 6518#; 15" IF 1001#; 2 hr FF 1001#; 90" ISIP 1462#; 2 hr FSIP 1101#; BHT 164°

DST #6 13,016-13,115': used 2,000' WC; 20" pre-flow, weak blow increased to fair; 90" ISIP; 2 1/2 hr FF, fair blow decreased slightly; GTS 2 hr 15 min. - TSTM, decreased to very weak blow; 2 1/2 hr FSIP; rec. 2,000' WC, 540' GCØM & 5525' XW; (chl. 30,000 ppm) Res. 0.22 @ 68° - Sample chamber contained: 1800# pressure, 2.9 CFG, 2120 cc XW; HPI 6528# - HPO 6409#; IF 1522-1637#; FF 1625-3522#; ISIP 6498#; FSIP 6229#; BHT 177°

DST #7 14,380-14,437': 2500' WB; 15" pre-flow, very weak blow; 90" ISIP; 3 hr 2nd flow, no blow; 3 hr 2nd SIP; 2 hr FF, no blow; 2 hr & 5 min FSIP; rec. 2500' GCWB, 180' salty drilling mud & 270' XW; Sample chamber cont: 0# pressure, 0.1 CFG, 1960cc XW, (11,000 ppm) Res. was 0.5 @ 56°) HPI 7169#; HPO 7076#; 15" IF 1195#; 3 hr 2nd flow 1269#; 2 hr FF 1380#; 90" ISIP 5860#; 3 hr 2nd SIP 5528#; 2 hr & 5 min FSIP failed; BHT 208°