

PENNZOIL UNITED, INC.

MESCALERO RIDGE UNIT NO. 2
SECTION 35, TOWNSHIP 19-S, RANGE 34-E
LEA COUNTY, NEW MEXICO

DRILL STEM DATA:

DST #1 9450 - 9468': 15" pre-flow; good blow, GTS 10" - G.V. 500 MCFGPD on 1" ck; 90" ISIP - 4 & 1/2 hr 2nd flow, open on 1/2" ck - G.V. 420 MCFGPD decreased to 195 MCFPD during first 2 hrs & 10 min; OTS 2 hrs & 15 min - Flwd two small heads during next hour - last 1 hr & 15 min flwd 26.75 BO, GOR 880; TP 80 - 120#; (Grav. oil 37 @ 47 degrees) 1 hr 2nd S.I. - 3 hr FF- no fluid for the 1st hr & 40 min- then in 20 min well flwd 5.89 BO - last hr flwd 12.27 BO - had 6 hr FSIP - rec. 90' heavily oil & gas cut drlg. fluid - recovered by reversing out 33.09 BO - total recovery in 7 hrs & 45 min was 78.04 BO - Spl. chamber contained: 600# pressure - 3.45 CFG, 420cc oil; HPI 4224#; HPO 4237#; IF 1292#; 2nd flow 996#; FF 803#; ISIP 3916#; 2nd SIP 3247#; FSIP 3247#; BHT 136 degrees

DST #2 9490 - 9620': 30" pre-flow, weak blow increased to fair; 1 1/2 hr ISIP - 2 hr FF, fair blow decreased to very weak blow; 2hr FSIP - recovered 165' SO&GCDM + 2697' gas in drill pipe - Sample chamber cont: 50# press, 1100cc SO&GCDM, 0.3 CFG-no wtr; HPI & HPO 4247#; IF 94#; FF 133#; ISIP 1561#; FSIP 918#; BHT 133 degrees

DST #3 9630 - 9682': 45" pre-flow, good blow, GTS 10" on 1" ck, GV. 5.2 MMCFGPD, MTS 25", OTS 40"; 2 1/2 hr ISIP, 2 hr FF; open on 1/4" ck, FTP 1500#; Flwd 93.74 BO 2 hrs, GOR 1700, oil grav. 40 @ 50 degrees; 4 1/2 hr FSIP - R.O. & flwd while shut in 53.24 BO; rec. below sub 120' VHO&GCM; Sample chamber contained: 620# press., 5.34 CFG, 1,000cc oil, 690cc MCO & no wtr., HPI 4284# - HPO 4134#, IF 3851#, FF 4096#; ISIP 4160#; FSIP 4185#; BHT 136 degrees

DST #4 13,080 - 13,109': 20" pre flow, very weak blow; 90" ISIP, 3 1/2 hr final flow, weak blow increased to fair blow, no GTS, 3 1/2 hr FSIP; recovered 1500' GCWC plus 990' GCDM; Sample chamber cont. 500# press, 2.36 CFG, no liquids; HPI & HPO 6910#; IF & FF 716#; ISIP 2894#; FSIP 4606#; BHT 180 degrees

DST #5 13,170 - 13,320': used 1492' WB, 20" pre flow, weak blow; 90" ISIP, 4 hr 2nd flow, weak blow increased to fair, GTS 3 hrs & 32 min-TSTM; 4 hr 2nd SIP; 4 hr FF, weak blow; 5 hr FSIP, recovered 5588' GCDM + 1492' GCWB; Sample chamber cont. 2100# press, 21.1 CFG & 50cc distillate; 20" pre-flow 919#, 4 hr 2nd flow 2836#, 4 hr FF 4495#, 90" ISIP 4624#, 4 hr 2nd SIP 6626#, 5 hr FSIP 6800#, HPI 7113# - HPO 7169#; BHT 184 degrees

DST #6 13,407 - 13,535': 15" pre-flow, good blow; 1 1/2 hr ISIP, 3 hr FF, WBTS 20", GTS 27", XWTS 45", (res. was .23 @ 50 degrees) G.V. TSTM; 3 hr FSIP,