

PENNZOIL UNITED, INC.
MESCALERO RIDGE UNIT NO. 3
554 FSL & 554 FEL
SEC. 35, T-19-S, R-34-E
LEA COUNTY, NEW MEXICO

DST DATA:

DST #1 5755-5825': (Delaware Sand) 15" pre-flow, weak blow increased to strong; 1 1/2 hr ISIP; 2 hr final flow, strong blow; GTS 21 minutes-TSTM, decreased throughout; 3 hr FSIP; recovered 590' oil & 210' of drilling water; Sample chamber contained: 100# pressure, 1 CFG, 1580cc oil (Grav. 35 @ 65 degrees) & 200cc water; IF 63#; FF 244#; ISIP 2415#; FSIP 2377#; BHT 103 degrees

DST #2 9410-9510': (Bone Spring) 30" pre-flow, weak blow increased to good blow; 1 hr ISIP; 2 hr 2nd flow, good blow; GTS 5 minutes-TSTM, cont. throughout; 2 hr 2nd SIP; 2 hr final flow; G.V. TSTM; no fluid; 2 hr FSIP recovered 900' free oil & 60' drilling mud (Grav. oil 37.5 @ 60 degrees) Sample chamber contained: 175# pressure, 2.0 CFG & 1030cc oil; HPI 4311#; HPO 4129#; IF 170-184#; 2nd flow 92-230#; FF 184-277#; ISIP 1382#; 2nd SIP 2022#; FSIP 1702#; BHT 133 degrees

DST #3 9514-9640': (Bone Spring) 30" pre-flow, good blow; GTS 8 minutes; mud in 17 minutes & oil in 30 minutes; 2 hr ISIP; 2 hr final flow-open on 1/2" choke, clean to pits 1/2 hour - flowed to tank 1 1/2 hour - made 95 BO; TP 600#; G.V. 1506 MCFGPD, GOR 1000; Shut-in 5 hrs for FSIP; R.O. 45 BO; Sample chamber contained: 1450# pressure, 7 CFG & 1180cc oil (Grav. oil 41.6 @ 60 degrees) HPI & HPO 4384#; IF 847-1500#; FF 1709-1825#; ISIP 3456#; FSIP 3456#

DST #4 10,140-10,250': (Bone Spring) 30" pre-flow, weak blow increased to good blow; GTS 20 minutes, G.V. 60 MCF decreased to 20 MCF; 1 1/2 hr ISIP; 3 hr final flow, G.V.-TSTM throughout test; 3 1/2 hr FSIP; R.O. 52.5 BO (Grav 39 @ 62 degrees) Sample chamber contained: 2100# pressure, 10.3 CFG, 1605cc oil & 100cc drilling water; HPI 4722# - HPO 4631#; IF 208-369#; FF 439-1542#; ISIP 2390#; FSIP 2321#; BHT 139 degrees

RECEIVED

JUN 23 1970

**OIL CONSERVATION C. M.
HOBBS, N. H.**