

PENNZOIL UNITED, INC.
ALLIED "21" FEDERAL # 1
1980 FSL & 1980 FEL
SEC. 21, T-24-S, R-26-E
EDDY COUNTY, NEW MEXICO

DRILL STEM DATA:

DST #1 9726 - 9760: used 1,000' WC, 15" pre-flow - gd. blow; 1 hr ISIP; GTS 3" after tool closed; 2 hr 2nd flow - G.V. 1,312 MCFGPD decr. to 201 MCFPD; 2 hr 2nd SI - 2 hr FF - G.V. 220 MCFPD decr. to 170 MCFPD - 2 hr FSIP - rec. 150' HGC DM + 1,000' GCWC - Sample chamber cont. 175# press, 2.2 CFG, no fluid; HPI 5546# - IF 433# - 2 nd flow 433# - ISIP 3866# - 2nd SIP 1601# - FSIP 1090# - BHT 168°

DST #2 9760 - 9795: rec 60' drlg. mud-no gas; HPI & HPO 5623# - 1 hr ISIP 222# - 2 hr 2nd SIP 157# - 2 hr FSIP 243# - 15" pre-flow 117#; 2 hr 2nd flow 117#; 1 hr 3rd flow 54#; BHT 170°

DST #3 10,078 - 10,100': pkr failed 4" - rec 760' GCØF

DST #4 10,069 - 10,120': pkr failed immediately

DST #5 9950 - 10,120': 15" pre-flow, weak blow; 1 hr ISIP - 3 hr 2nd flow, weak blow; 3 hr 2nd SI - 1 hr final flow, weak blow - 2 hr FSIP; rec. 420' GCØM; Spl. chamber cont: 200# pressure, 1.24 CFG, no fluid; BHT 175° - HPI & HPO 5654# - IF 229# - 2 nd flow 197# - FF 197# - ISIP 1227# - 2nd SIP 3453# - FSIP 1938#

DST #6 10,350 - 10,420': 15" pre-flow, weak blow - 1 hr ISIP - 1 hr 2nd flow, weak blow - 1 hr 2nd SI - 1 hr final flow; weak blow - 2 hr FSIP - rec. 30' GCØM; Spl. chamber cont. 350# pressure, 1.6 CFG, no fluid - 1 hr ISIP 347# - 1 hr 2nd SIP 1289# - 2 hr FSIP 2545# - IF & FF 96#; HPI & HPO 5770# - BHT 178°

DST #7 11,010 - 11,123': 2,000' WC, 15" pre-flow, fair blow - 1 hr ISIP - 3 hr 2nd flow, good blow; GTS 20" - max. G.V. 62.5 MCFGPD on 1/8" ck - 180# pressure - 3 hr 2nd SI - 3 hr 2nd SI - 3 hr FF - G.V. 339.7 MCFGPD on 3/8" ck - 100# pressure - 5 hr FSIP - rec 2,000' GCWC, 220' SGCM, 30' drlg. mud - Spl. chamber cont. 5.5 CFG, 140cc mud, 800# press - HPI 6594# - HPO 6530# - 15" IF 940# - 3 hr 2nd flow 1256# - 3 hr FF 1045# - 1 hr ISIP 4969# - 3 hr 2nd SI 4948# - 5 hr FSIP 4948# - BHT 182°

DST #8 11,130 - 11,184': op 4 hrs 15 min; rec 90' GCØM; 1 hr ISIP 4883# - 2 hr FSIP 4956# - IF & FF 936#

DST #9 11,389 - 11,528': 15" pre-flow, good blow; GTS 11" - 1 1/2 hr ISIP - 2 hr 2nd flow - 3/8" ck, G.V. 800 MCFGPD decr. to 650 MCFGPD & remained last 1 1/2 hrs - 2 hr 2nd SI - 2 hr FF, 3/8" ck G.V. 650 MCFGPD thru out - 4 hr FSIP - rec 10' GCDM - Spl. chamber cont. 150#, 1.0 CFG, no liquids; HPI & HPO 6275#; IF 145# - 2nd flow 345# - FF 305# - ISIP 4870# ? - 2 nd SI 4688# - FSIP 4688#

RECEIVED
MAR 17 1969
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO