

N. M. O. R. 100-100000

Pennzoil United, Inc.

O'Neill Federal No. 1  
1980 FSL & 660 FWL of  
Sec. 11, T-24-S, R-26-E  
Eddy County, New Mexico

RECEIVED

AUG 20 1970

U. S. DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DST #1 10,204-250'; (Wolfcamp) 20" pre-flow, very weak blow; 1 hr ISIP; 1 hr 2nd flow, very weak blow; 1 hr 2nd SIP; 1 hr 3rd flow, very weak blow; 2 hr FSIP; recovered 30' drilling mud; Sample chamber contained: 5# pressure - 1580cc drilling mud, no oil or gas; HPI & HPO 5202; IF 67#; 2nd flow 42#; FF 42#; ISIP 131#; 2nd SIP 67#; FSIP 93#; BHT 174 degrees

DST #2 10,302-405'; 30" pre-flow, fair blow; 1 1/2 hr ISIP - GTS 15" after S.I.; tool open 2 hrs; G.V. TSTM; 3 hr FSIP; recovered 300' drilling mud, 270 salt wtr (62,000 ppm) chloride; Sample chamber contained: 0# pressure, 1550cc wtr (72,000 ppm) no gas; HPI 5650# - HPO 5694#; IF 144-163#; FF 163-292#; ISIP 5436#; FSIP 5436#; BHT 175 degrees

DST #3 10,457-520'; (Strawn) 30" pre flow, fair blow, decreased slightly; 1 1/2 hr ISIP; 1 hr 2nd flow, fair blow, decreased to weak; 2 hr 2nd SIP; 1 hr FF, very weak blow; 2 hr FSIP; recovered 210' drilling mud - n/s; Sample chamber contained: 0# pressure, no recovery; HPI 5633 - HPO 5621#; IF 94-107#; 2nd flow 119-132#; FF 182-195#; ISIP 1000#; 2nd SIP 1026#; FSIP 925#; BHT 185 degrees

DST #4 10,800-827'; (Atoka) 30" pre flow, weak blow, increased to fair in 10 minutes; 90 min. ISIP; 1 hr 2nd flow, good blow, decreased to fair in 45 minutes; 60 min. 2nd SIP; 2 hr FF, fair blow, decreased to weak; GTS in 90 min. on FF-TSTM; 2 hr FSIP; recovered 180' GCØM, 280' G&XWCØM and 210' salt wtr; Sample chamber has 100# pressure, 0.3 CFG & 60cc wtr, (44,000 ppm chloride) HPI & HPO 5664#; IF 113#; 2nd flow 273#; FF 273#; ISIP 4677#; 2nd SI 4276#; FSIP 4356#; BHT 185 degrees

DST #5 11,451-548'; (Morrow) used 1450' WB; 30" pre-flow, weak blow, increased to fair; 90 min ISIP; 90 min 2nd flow; GTS 16 min-TSTM; 2 hr 2nd SIP; 1 hr FF, fair blow throughout; 2 hr FSIP; recovered 1750' fluid which consisted of 1450' WB & 300' GCØM; Sample chamber contained: 600# pressure & 3.47 CFG & no fluid; HPI 6173#; HPO 6155#; IF 808#; 2nd flow 825#; FF 845#; ISIP 4827#; 2nd SIP 4642#; FSIP 4642#; BHT 196 degrees

DST #6 11,597-710'; (Morrow) packer failed immediately

DST #7 11,564-710'; (Morrow) 30" pre flow, weak blow, increased to fair; 1 1/2 hr ISIP; 3 hr FF, weak blow, increased to fair; GTS 1 hr & 27 min @ rate of 8.6 MCFPD; 4 1/2 hr FSIP; recovered 360' GCØM & 1628' GCXM; Sample chamber contained: 2225# pressure, 7.52 CFG & 1620cc wtr (res. was .06 @ 82 degrees w/70,000 ppm chl.r.) HPI & HPO 6288#; IF 409#; FF 1008#; ISIP 5407#; FSIP 4991#; BHT 196 degrees

RECEIVED

AUG 21 1970

U. S. DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT