

PENNZOIL UNITED, INC.
 GULF FEDERAL NO. 1
 1980 FSL & 1980 FWL
 SEC. 1, T-23-S, R-26-E
 EDDY COUNTY, NEW MEXICO

DRILL STEM DATA:

DST #1 7810-7840': (Bone Spring) 15" pre-flow, gd. blow; GTS 9 min. @ est. rate 10 MCFPD; 90" ISIP; 2 hr FF; gas rate 5 MCFPD decreased & died 1 hr 45 min; 2 hr FSIP; rec. 105' drlg. wtr; Spl. chamber cont. 100# press, .44 CFG & 0 cc fluid; HPI & HPO 3440#; IF 91#; FF 117#; ISIP 569#; FSIP 401#; BHT 138 degrees

DST #2 9470-9595': (Wolfcamp) 20" pre-flow, gd. blow; GTS 9 min @ 280 MCFPD on a 3/8" ck. w/70# tubing pressure; 90" ISIP; 3 hr FF, gd. blow; gas rate 395 MCFPD on 3/8" ck w/105# tubing pressure; 4 1/4 hr FSIP; rec. 788' Gas & dist. cut mud; Spl. chamber cont. 290# press, 1.5 CFG & 360cc dist. (Grav. 52 @ 70 degrees) HPI 5399# - HPO 5329#; IF 203#; FF 429#; ISIP 5218#; FSIP 5188#

DST #3 10,539-576': (Strawn) 30" pre-flow, strong blow; GTS 7", 1/4" ck, TP 180#; G.V. 280 MCFPD; 2 hr ISIP; 2 hr 2nd flow, 1/4" ck, TP 230#; G.V. 350 MCFPD; 2 hr 2nd SIP; 3 hr FF, 1/4" ck, TP 225-160#; G.V. 340 MCFPD decreased to 245 MCFPD; 4 1/2 hr FSIP; rec. 90' drilling mud & 180' SMCSW (Chl. 66,000 ppm); Spl. chamber cont. 1700# press, 11.1 CFG & 480cc salt wtr (Res. 0.08 @ 82 degrees) HPI & HPO 5993#; IF 313#; 2nd flow 406, FF 406, ISIP 5694, 2nd SIP 5508, FSIP 5583

DST #4 10,576-624': 45" pre-flow, weak blow; GTS 23 min 1/4" ck; gas rate 36 MCFPD; 2 1/2 hr ISIP; 2 hr 2nd flow, 1/4" ck, FP 50#; gas rate 90 MCFPD, 2 hr 2nd SI; 2 hr final flow, 1/4" ck, FP 50#, gas rate MCFPD; 4 hr FSIP; rec. 150' SGCØM (res. 0.9 @ 74 degrees) Chl. 6,000 ppm - mud 4,000 ppm; Spl. chamber cont. 700# press, 5.3 CFG-no fluid; HPI 5789# - HPO 5782#; IF 144#; 2nd flow 144#; FF 144#; ISIP 5568#; 2nd SIP 5568#; FSIP 5568#; BHT 182 degrees

DST #5 10,689-729': (Lower Strawn) 30" pre-flow, weak to good blow; GTS 19"-TSTM; 2 hr ISIP; 3 hr final flow, 1/2" ck, FP 14# decreased to 0#; G.V. 190 MCFPD decr. to dead 2 hrs 45 min; 3 hr FSIP; recovered 220' GCØM; Spl. chamber cont.: 100# pressure, 0.53 CFG & no fluid; HPI & HPO 6008#; IF 75#; FF 101#; ISIP 5879#; FSIP 5712#; BHT 182 degrees

DST #6 10,895-933': (Atoka) 30" pre-flow, good blow; GTS 16" on 1/2" ck-TSTM; 2 hr ISIP; 1 hr 2nd flow, 1/2" ck @ 200 MCFPD-decreased to 35 MCFPD; 1 hr 2nd SIP 2 hr FF, 1/4" ck @ 61 MCFPD decreased to 30 MCFPD; 3 hr FSIP; recovered 60' GCØM; Spl. chamber cont.: 100# press, 0.43 CFG, no liquids; HPI & HPO 6074#; IF 53#; 2nd flow 53#; FF 27#; ISIP 5959#; 2nd SIP 5805#; FSIP 5959#; BHT 180 degrees

DST #7 11,024-068': 45" pre-flow, weak blow; 2 hr ISIP; 3 hr final flow-fair blow throughout; 3 hr FSIP; rec. 180' SGCØM + 720' salt wtr -(37,000 ppm) Spl. chamber cont.: 250# press, 1860cc salt wtr & 0.5 CFG (res. 0.1 @ 86 degrees) HPI 6228#; HPO 6247#; IF 237#; FF 476#; ISIP 4646#; FSIP 4606#; BHT 184 degrees

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JUL 7 1970

O. C. C.
ARTESIA, OFFICE

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 ARTESIA, NEW MEXICO