

PENNZOIL UNITED, INC.

Hudson "29" Federal No. 3
1980 FSL & 1980 FWL of 107 59
Sec. 30, T-18-S, R-33-E
Lea County, New Mexico

DRILL STEM DATA:

DST #1 4216 - 4600': tool open 55 min - recovered 420' of drilling water -
HPI & HPO 1990# - 10 min IF 150# - 45 min FF 301# -
25 min ISIP 1668# - 60 min FSIP 1668#

DST #2 10,980 - 11,003': 15 min pre flow - gd. blow, GTS 14 min @ est. rate of
75 MCFGPD - 90 min ISIP - 180 min flow - G. V. 150 MCFPD,
decr. to TSTM - 180 min FSIP - Rev. out 15 B0-no wtr -
grav. 41.1 @ 60 degrees - Sample chamber cont. 800#
press - 6.0 CFG & 740cc oil - HPI 5158# - HPO 5155# - ISIP
5111# - FSIP 4931# - IF 108# - FF 854# -

DST #3 12,075 - 12,099': 10 min pre flow, very strong blow - 90 min ISIP - GTS
11" after closing tool - 240 min FF - G.V. 225 MCFGPD decr.
to 31 MCFGPD - 240 min FSIP - Rev. out 390' O&GCM - Sample
chamber cont. 400# press, 2.3 CFG, 870cc oil - grav. 45.1
@ 60 degrees - HPI & HPI 5973# - ISIP 4837# - FSIP 2435# -
IF 41# - FF 518# -

DST #4 12,464 - 12,487': 2,000' WC - 3 hr 15 min IF, good blow, water cushion
to surf. 45 min - gas 1 hr 10 min - flwd by heads - 1 hr
ISIP - 2 hr FF - continued to unload, started flowing salt
water last hr by heads - 4 hr FSIP - recovered full string
of salt wtr (Chl. 48,000 ppm) Sample chamber cont. 650#
press, 0.04 CFG, 2240cc salt wtr - HPI 6291# - HPO 6263#
IF 860-4,000# - FF 4150-5732# - ISIP 5844# - FSIP 5918#

DST #5 13,108 - 13,142': 3,000' WC - 10 min pre flow, very strong blow - WCTS 5
min - GTS 9 min - G.V. on 1/4" ck w/2100# TP 3200 MCFGPD -
Developed surface leak - unable to repair - took 3 hr SI &
pulled out - R.O. gas plus small amount distillate - Sample
chamber cont. 800#, 5 CFG, 60cc dist. (grav. 59 @ 60 degrees -
HPI 6750# - HPO 6710# - IF 4445-5210# - ISIP 6379#

DST #6 13,234 - 13,312': 3,000' Nitrolgen blanket - packer failed immediately.

DST #7 13,223 - 13,312': 3,000' Nitrolgen blanket - packer failed immediately.