

LEA FIELD Hightower, E. STATE NM
 HARPER OIL CO. AP# 30-025-26537
 Frier MAP
 Sec 29, T12S, R34E COORD
 1980' FSL, 660' FWL of Sec 4-1-10 NM
 14 mi SE/Caprock SPD 1-4-80 CMP 3-4-80

3 3/8" at 343' w/400 sx
 5 5/8" at 4200' w/3600 sx
 1 1/2" at 10,407' w/575 sx
 3/3" at 9767'

WELL CLASS: INIT D FIN DO ELEV L & S			
FORMATION	DATUM	FORMATION	DATUM
TD 10,409' (RGLK)		PD 10,362'	

(Bough "B") Perfs 9933-58' P 33 BOPD + 8 BW. Pot
 based on 24 hr test. GOR 1212; gty 46.8

Warton Drlg. OPRS ELEV 4194' GL PD 10,400' RT

F.R. 11-12-79

(Bough "B")

5-80 AMEND ZONE: Formerly reported as Pennsylvania

7-80 Drlg 2230'

16-80 Drlg 5848'

22-80 Drlg 8270'

22-80 Drlg 9875' 1m & sh

DST (Bough "B") 9915-68' open 2 hrs 4 mins

w/wk incr to strong blow, GTS in 14 mins @

200 MCFGPD, RO 27' HGC & SMCO (Sampler rec 1.33

CFG + 1500 cc's oil @ 1600#) 1 hr ISIP 2874#,

FP 131-527#, 4 hr FSIP 2917#

30-80 Drlg 10,288'

DST (Bough "C") 9990-10,011', open 1 hr 30 mins

w/good incr to strong blow, GTS in 45 mins on

FF thru 1/4" chk @ 42 MCFGPD, rec 260' GCDM +

470' GCFO + 30' G&MCSW (Sampler rec 600 cc's

FO) 1 hr 30 mins ISIP 3202#, FP 36-280#, 3 hr

4-1-10 NM

30

Continued

FSIP 3156#, HP 5179-5173#
DST (Ranger Lake) 10,245-288' open 2 hrs
30 mins w/wk incr to good blow, no GTS
rec 188' SO&GCM + 2512' SW (Sampler rec
50 cc's oil + 2200 cc's SW @ 188') 1 hr FSIP
2797#, FP 127-1190#, 4 hr FSIP 2839#, HP
5301-5301#

30

TD 10,409'; PBD 10,362'; SI/WGC
Perf (Bough "B") 9933-58' w/1 SPF
Acid (9933-58') 2500 gals (152)
TD 10,409'; PBD 10,362'; Complete
LOG TOPS: Rustler Anhydrite 1330', Salt
2300', Base Salt 2610'. Yares 2758', Seven
4-1-10 NM

4-1-80

4-1-80

Continued

Rivers 3100', Queen 3455', Grayburg 3600',
San Andres 4112', Glorieta 5528', Paddock
6960', Blinbry 7080', Tubb 7400', Brinkard
1550', Abo 7706', Wolfcamp 9104', 3 Brothers
1660', Bough "A" 9890', Bough "B" 9732',
Bough "C" 9966', Upper Ranger Lake 10,240',
Lower Ranger Lake 10,272'
BHT 160 deg
COMPLETION ISSUED

4-1-80

4-1-10 NM
IC 30-025-70435-79