

COUNTY LEA FIELD Lea STATE NM 30-025-22907
 OPER SOUTHWESTERN NATURAL GAS, INC. MAP
 1. Artesac Federal "14"
 Sec. 14 T-20-S, R-34-E CO-ORD
 1930' TSI, 1890' FEL of Sec.

Spd 1-8-69 Cmp 5-28-69	CLASS		EL	
	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
13 3/8" at 695' w/700 sx				
9 5/8" at 5040' w/875 sx				
7" at 14,389' w/1450 sx				
5" lnr 14,072-14,496' w/50 sx				
LOGS EL GR RA IND HC A				
	TD 14,546'; PBD 13,100'			

IP (Bend) Perfs 12,987-13,079' CAOP 3250 MCFGPD, GOR 40,300,
 Grav (cond) .58, (gas) .600, SIWHP 3375#

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CONT. McVay PROP DEPTH 14,500' TYPE
 DATE

F.R. 12-19-68; Opr's Elev. 3648' GL, 3606' KB
 PD 14,500' (Devonian)
 Contractor - McVay

1-14-69	Drlg. 3340' anhy
1-21-69	TD 5200'; WOC
1-28-69	Drlg. 7560'
2-4-69	Drlg. 10,150' lm & cht
2-11-69	Drlg. 11,758' lm & sh
2-18-69	Drlg. 12,507'
2-24-69	Drlg. 13,039'
	DST (Bend) 12,724-848', open 1 hr 30 min (3424' WB), rec WB + 862' DM, 1 hr ISIP 2101#, FP 1871-1937#, 2 hr FSIP 2166# (Tool leaked)
3-3-69	Drlg. 13,400' sh (Tight)
3-11-69	Drlg. 13,900' (Tight)

3-18-69 Drig. 14,230' (Tight)
3-24-69 TD 14,389'; WOC (Tight)
3-31-69 ID 14,496'; Rng lnr (Tight)
DST (Penn) 12,855-13,175', open 2 hrs 30 min,
GTS 1 hr 10 min @ est 5000 MCF PD, thru 1/2"
chk, SFP 1050-700#, rev out DF. NS oil (fool
leaked), 1 hr ISIP 6641#, FP 2395-1806#, 2 hr
FSIP 6511#
DST (Devonian) 14,389-467', ope. 2 hrs, rec
1900' DM, 1900' O&GCM, 4000' oil, 450' GCM,
1 hr ISIP 3245#, FP 2395-3016#, 2 hr FSIP 4748#
6-9-69 TD 14,546'; PBD 13,100'; Tstg
DST 14,331-490', open 4 hrs 31 min, GTS 4 hrs
16 min, rev out 4305' cond, 246' O&GCM, rec

6-9-69

Continued

140' GCM below sub, 1 hr ISIP 4388#, FP
688-1641#, 3 hr FSIP 4780#
Perf @ 14,462', 14,464', 14,465', 14,467',
14,486', 14,487', 14,488', 14,491' w/1 SPI
Acid (14,462-491') 1500 gals
Acid (14,462-491') 6000 gals
Swbd 12 BFPH (12% oil) (14,462-491')
Swbd 4 BO + 2 BW in 2 hrs (14,462-491')
Deepened from 14,496' to 14,546'
Swbd 115 BFW (14,496-546')
Sqzd 14,462-546'
Perf @ 12,987', 12,991', 12,993', 13,025',
13,031', 13,034', 13,039', 13,067', 13,071',
13,079', 13,125', 13,134', 13,136', 13,235',
13,239', 13,243', 13,247', 13,253', 13,256',
13,263' w/1 SPI

6-9-69 Continued
Acid (12,987-13,263') 3000 gals
Flwd 90 BLW in 3 hrs thru 1/4-1/2" chk, 1P
1650# (12,987-13,263')
BP @ 13,100'
Perf (Bone Springs) @ 9537', 9546', 9549',
9553', 9556', 9560', 9565', 9570', 9573',
9575', 9576'
Acid (9537-76') 2000 gals
Swbd 91 BLW, show oil, swbd dry (9537-76')
Perf @ 9957', 9964', 9971', 9976', 9979',
9982', 9987', 9990' w/1 SPI
Unable to break perfs

6-9-69 Continued
Perf @ 9971', 9976', 9979', 9982', 9987', 9990';
Acid (9957-90') 750 gals
Swbd 39 BLW and Swbd dry
(9957-90')
7-29-69 TD 14,546'; PBD 13,100'; WO RRC Pot
8-4-69 TD 14,546'; PBD 13,100'; COMPLETE
Perfs 9537-76', 9957-90', Packed off
FOUR POINT GAUGES:
Flwd 416 MCFGPD, 1" chk, 60 min, TP 3083#
Flwd 771 MCFGPD, 1" chk, 60 min, TP 2558#
Flwd 1261 MCFGPD, 1" chk, 60 min, TP 2122#
Flwd 1891 MCFGPD, 1" chk, 60 min, TP 1526#
LOG TOPS: Rustler 1600', Bone Springs 8286',
Strawn 12,140', Bend 12,415', Mississippian
Lime 13,672', Woodford 14,276', Devonian 14,462'
8-7-69 COMPLETION REPORTED