

OWWO  
COUNTY LEA FIELD Vacuum STATE NM MN 20773  
OFF AMOCO PRODUCTION CO. MAP  
4 State "GV"  
Sec 25, T-17-S, R-35-E CO-ORD  
2310' FSL, 380' FWL of Sec

|                                                                                                        |                     | CLASS |           | OWOF EL 39208 |  |
|--------------------------------------------------------------------------------------------------------|---------------------|-------|-----------|---------------|--|
| Re-Cmp 1-27-71                                                                                         | FORMATION           | DATUM | FORMATION | DATUM         |  |
| CSG & SX - TUBING<br>13 3/8" at 355' w/350 sx<br>8 5/8" at 3375' w/250 sx<br>4 1/2" at 8898' w/1200 sx |                     |       |           |               |  |
|                                                                                                        |                     |       |           |               |  |
|                                                                                                        |                     |       |           |               |  |
|                                                                                                        |                     |       |           |               |  |
|                                                                                                        |                     |       |           |               |  |
| LOGS EL GR RA IND HC A                                                                                 | TD 8898'; PBD 8887' |       |           |               |  |

(Abo Reef) Perfs 8746-8828' NO NEW I PENTIAL.

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CONT  
DATE  
PROP DEPTH 8800' TYPE WO

2-8-71 F.R.C. 2-11-71; Opr's Elev. 3923' RDB  
PD 8800' WO (Abo Reef)  
(Orig. Pan American Pet. Corp., comp 10-23-64  
thru (Abo) Perfs 8864-77', OTD 8898', OPB 8887')  
TD 8898'; PBD 8887'; COMPLETE  
Sqzd (8864-77') w/150 sx  
Perf 8746-97', 8818-28' w/2 SPF  
Acid (8818-28') 1000 gals  
Acid (8746-8828') 5000 gals (15%)  
2-11-71 COMPLETION REPORTED

|                                          |                                    |                     |        |           |       |
|------------------------------------------|------------------------------------|---------------------|--------|-----------|-------|
| COUNTY                                   | LEA                                | FIELD               | Vacuum | STATE     | NM    |
| OPR                                      | PAN AMERICAN PETROLEUM CORPORATION |                     |        |           | MAP   |
| 4 State "CV"                             |                                    |                     |        |           |       |
| Sec. 25, T-17-S, R-35-E                  |                                    |                     |        |           |       |
| 2310' fr S Line & 380' fr W Line of Sec. |                                    |                     |        |           |       |
| Spud 9-17-64                             |                                    |                     |        |           |       |
| Comp 10-23-64                            |                                    |                     |        |           |       |
| CSG & SX - TUBING                        |                                    | CLASS               |        |           |       |
|                                          |                                    | FORMATION           | DATUM  | FORMATION | DATUM |
|                                          |                                    | LOG:                |        |           |       |
|                                          |                                    | Abo Reef            |        |           |       |
|                                          |                                    | 8818                |        |           |       |
| 13 3/8" 355' 350                         |                                    |                     |        |           |       |
| 8 5/8" 3375' 250                         |                                    |                     |        |           |       |
| 4 1/2" 8898' 1200                        |                                    |                     |        |           |       |
| LOGS EL GR RA IND HC A                   |                                    | TD 8898', PBD 8887' |        |           |       |

IP Abo Perfs 8864-77' Flwd 320 BOPD. Pot. Based on 24 hr test thru 18/64" chk., GOR 1050 (est.)

|                                                                                                                                                     |                  |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|
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| CONT. Marcum Drlg. Co.                                                                                                                              | PROP DEPTH 8800' | TYPE |
| DATE                                                                                                                                                |                  |      |

F.R. 9-24-64; Oper's Elev. 3923' KB  
 PD 8800' - Abo  
 Contractor - Marcum Drlg. Co.  
 9-21-64 Drlg. 3160'.  
 9-28-64 TD 4957', fshg.  
 10-5-64 Drlg. 6924'.  
 10-12-64 Drlg. 8515'.  
 10-19-64 TD 8898', prep to log.  
 Cored 8742-48', rec 6' dns blk dolo., w/NS.  
 Cored 8748-98', rec 42' being: 15' dns blk  
 dolo., scatt fracs., PPP, BO&G; 26' dns blk  
 dolo., w/NS; 1' gry reef dolo., fracs., vuggy,  
 BO&G.  
 Cored 8798-8811', rec 11.5' being:  
 10' anhy dolo., fracs., PPP & BO; 1½' silty  
 dolo., vert. fracs., BO.

10-19-64 - cont. -  
Cored 8811-58', rec 36' being: 10' dolo.,  
horiz frags., PPP, BO&G; 3' dns dolo., w/  
NS; 23' dolo., highly fractured, vuggy,  
BO&G.  
Cored 8858-98', rec 26' being:  
2' dolo., vuggy & fractured, BO&G;  
4' dns dolo., NS; 8' dolo., vuggy, BO&G;  
6' anhy & dolo; 6' porous dolo., vuggy,  
horiz & vert frags., SO.  
10-26-64 TD 8898', PBD 8887', COMPLETE.  
Perf 8864-77' @ 2 SPF  
Ac. 500 gals.  
Flow 115 BO in 9 hrs thru 12/64" chk., TP  
250#.