

COUNTY LEA FIELD Pearl STATE NM  
 OPR ARCO OIL & GAS CO. API MN 20695  
 NO WI-8 (LEAS) Mescalero Ridge Unit 35 MAP  
Sec 35, T19S, R34E COORD  
1980 FSL, 1980 FWL of Sec 1-5-13 NM  
12½ mi NE/Halfway Re SED 5-7-79 Re CMP 12-2-81

| WELL CLASS: INIT | IWFIN | IW        | LSE. CODE |
|------------------|-------|-----------|-----------|
|                  |       |           |           |
| FORMATION        | DATUM | FORMATION | DATUM     |
|                  |       |           |           |
|                  |       |           |           |
|                  |       |           |           |
| TD 5232 (QUEN)   |       | PBD 5140  |           |

Queen) Perfs 4580-5019 WATER INJECTION WELL

OPR:LEA 3709 DF sub-s

F.E.C. 1-30-82 OWWO  
 PD 5232 WO (Queen)  
 WATER INJECTION WELL  
 (Orig. Hanson, Ernest A., #8-35 Mescalero Ridge  
 Unit, cmp 12-15-64, thru (Queen) Perfs 4580-  
 5019, OTD 5232)  
 1-25-82 TD 5232; PBD 5140; Complete  
 Perf (Queen) 4580-5102 w/7 shots (overall)  
 Acid (4580-5102) 5500 gals  
 1-30-82 COMPLETION ISSUED

1-5-13 NM  
 10 30-025-70045-82

|                                           |                   |            |             |           |       |
|-------------------------------------------|-------------------|------------|-------------|-----------|-------|
| COUNTY                                    | LEA               | FIELD      | Pearl-Queen | STATE     | NM    |
| OPR                                       | HANSON, ERNEST A. |            |             |           | MAP   |
| 8-35 Mescalero Ridge Unit                 |                   |            |             |           |       |
| Sec. 35, T-19-S, R-34-E                   |                   |            |             | CO-ORD    |       |
| 1980' fr S Line & 1980' fr W Line of Sec. |                   |            |             |           |       |
| Spud 11-19-64                             |                   | CLASS      |             | EL 37094  |       |
| Comp 12-15-64                             |                   | FORMATION  | DATUM       | FORMATION | DATUM |
| CSG & SX - TUBING                         | LOG:              | Anhy 1751  |             |           |       |
|                                           |                   | B/Salt     |             |           |       |
| 8 5/8" 216' 125                           |                   | 3376       |             |           |       |
| 5 1/2" 5232' 350                          |                   | Yates 3613 |             |           |       |
|                                           |                   | Queen 4557 |             |           |       |
|                                           |                   | Penrose    |             |           |       |
| LOGS EL GR RA IND HC A                    |                   | 4920       |             |           |       |
|                                           |                   | TD 5232'   |             |           |       |

IP Queen Perfs 4595-5019' Pmpd 45 BOPD + 5 BW. Pot. Based on 24 hr test, gravity 35.

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|                        |                  |      |
|------------------------|------------------|------|
| CONT. Gackle Drlg. Co. | PROP DEPTH 5250' | TYPE |
| DATE                   |                  |      |

F.R. 10-22-64  
PD 5250' - Queen  
Contractor - Gackle Drlg. Co.

11-23-64 Drlg. 3000'.  
11-30-64 Coring @ 4626'.  
12-7-64 Drlg. 5163'.  
Cored 4575-4627', rec 51' sd. & dolo., w/19' show.

12-14-64 TD 5232', WOC.  
12-21-64 TD 5232', tstg.  
Perf @ 4595', 4598', 4601', 4605', 4608', 4618', 4624', 4739', 4741', 4743', 4875', 4877', 4879', 4881', 4927', 4928', 4929', 5012', 5015', 5017', 5019' W/1 SPI  
Ac. 2500 gals.  
Frac 48,180 gals oil + 42,000# sd.

1-4-65 TD 5232', COMPLETED.