

|                                                                                                                                                     |       |                     |       |              |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------|-------|--------------|-------|
| COUNTY CHAVES                                                                                                                                       |       | FIELD Cato          |       | STATE NM     |       |
| OPR SHELL OIL CO.                                                                                                                                   |       |                     |       | MAP          |       |
| 4 Amco "A" Federal                                                                                                                                  |       |                     |       |              |       |
| Sec. 4, T-9-S, R-30-E                                                                                                                               |       |                     |       | CO. ORD      |       |
| 1980' FNL, 660' FWL of Sec.                                                                                                                         |       |                     |       | 30-005-20217 |       |
| Spd 1-17-68                                                                                                                                         |       |                     |       |              |       |
| Cmp 1-28-68                                                                                                                                         |       |                     |       | CLASS        |       |
|                                                                                                                                                     |       | FORMATION           | DATUM | FORMATION    | DATUM |
| CSG & SX - TUBING                                                                                                                                   |       |                     |       |              |       |
| 8 5/8"                                                                                                                                              | 268'  | 200                 |       |              |       |
| 4 1/2"                                                                                                                                              | 3540' | 400                 |       |              |       |
| LOGS EL GR RA IND HC A                                                                                                                              |       |                     |       |              |       |
|                                                                                                                                                     |       | TD 3540', PBD 3436' |       |              |       |
| IP SA Perfs 3374-3422' Flwd 402 BOPD + 108 BAW. Pot. Based on 4 hr test of 67 BO + 18 BAW thru 21/64" chk., TP 210#, GOR 440, Gravity 24.1.         |       |                     |       |              |       |
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| CONT. Ard Drlg. Co.                                                                                                                                 |       | PROP DEPTH 3700'    |       | TYPE RT      |       |
| DATE                                                                                                                                                |       |                     |       |              |       |

F.R. 1-18-68; Elev. 4084' DF  
 PD 3700' - SA  
 1-25-68 AMEND TO ADD REFERENCE NUMBER  
 1-22-68 Drlg. 3355'.  
 1-29-68 TD 3540', PBD 3436', WO Pot.  
 Tri-Core 3146-49', rec 3' anhy dolo.  
 Perf @ 3447' W/3 shots  
 Acid (3447') 500 gals.  
 Swbd 6 BW in 2 hrs & swbd dry (3447')  
 Set BP @ 3436'  
 Perf @ 3374', 3381', 3385', 3390', 3396',  
 3408', 3418', 3422' W/1 SPI  
 Acid (3374-3422') 5000 gals (28%)  
 Flwd 67 BO + 18 BAW in 4 hrs on 21/64" chk.,  
 TP 210#, GOR 440, Gravity 24.1.

CHAVES                      Cato                      NM                      Sec. 4-9S-30E  
SHELL OIL CO., #4 Amco "A" Federal                      Page #2

2-5-68                      TD 3540', PED 3436', COMPLETE  
LOG: SA Marker 3208', Slaughter "A"  
3365', Slaughter "B-C" 3443' (+652')