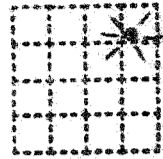


SHELL OIL CO., INC.
 H. Rader No. 2.

SEC. 11 T. 19 R. 11 W
 SW NE NE
 990' f NL 993' f EL NE $\frac{1}{4}$

Total Depth. 3363' PB 3147'
 Comm. 9-2-41 Comp. 10-17-41
 Shot or Treated.
 Contractor.
 Issued. 12-20-41

County. Barton



CASING:
 8 5/8" 346' Cem.
 4 1/2" 3345' Cem.

Elevation.

Production. 1,836,000 G.

Figures Indicate Bottom of Formations.

1060
 935 BTU

| | | |
|--------------------------|-----------|----------------------------------|
| surface clay | 20 | 2838-44 fair to good porosity, |
| sand | 145 | slight oil stain in strks |
| shale & lime strks | 275 | 3045-53 good porosity, lgt to |
| red rock | 354 | dead oil stain |
| red bed | 520 | 3072-75 poor porosity & oil |
| anhydrite | 535 | stain |
| shale | 660 | 3108-41 good porosity, poor |
| shale & shells | 1070 | to fair oil stain through- |
| salt & shale | 1340 | out |
| shale & lime | 1565 | Core #1 3112-17 rec total 4 1/2' |
| lime & chert | 1585 | 3112-17 well dissolved w/good |
| lime & shale | 1800 | to excellent porosity, poor |
| lime | 1907 | to fair oil stain & gas odor |
| lime & shale | 1992 | throughout |
| lime | 2035 | 3172-81 very good porosity w/ |
| lime & shale | 2605 | very lgt oil stain |
| lime | 2677 | 3205-17 very good porosity w/ |
| 2677 equals 2696 SLM | | very lgt oil stain |
| lime | 2696-3328 | 3328-31 poor porosity, fair |
| sand & conglomerate | 3331 | to lgt oil stain & slight |
| conglomerate-var. red | | odor in wet sample |
| & green shales, sand | | 3345-47 fair to good porosity |
| & chert | 3340 | w/some lgt to dead oil stain |
| shale green & sand | 3345 | 3347-54 good porosity, very |
| dolomite | 3347 | slight oil stain |
| Plugged back to 3301 | | 3354-57 poor porosity, no |
| Perf. 24 shots 3107-14 | | oil stain |
| by Lane-Wells - Hole | | 3357-59 good porosity, slight |
| filled w/150' of salty, | | oil stain - showed very slight |
| muddy wtr in 30 minutes | | rainbow oil upon bailing |
| after perforating | | 3362-63 encountered salt wtr |
| dolomite, strks lgt | | hole filled 250' w/salt wtr |
| green argillite & | | in 1 1/2 hrs 3362-63 |
| dk gy chert | 3354 | |
| dolomite, strks gy | | Perf. 3070-73 1/2 w/12 Lane- |
| chert, green argillite & | | Wells bullets. Hole filled |
| sand | 3357 | w/10 gal. muddy, slightly |
| dolomite | 3359 | salty wtr; no oil or gas |
| chert | 3363 | show |
| Total Depth. | | Perf. 3044-47 1/2 w/12 bullets |

Plugged back to 3147

Top Arbuckle dolo. 3345

encountered strong gas flow
 Gas gauged 2,100,000 cu ft
 per day at end of 5-hr open
 flow test 9-26-41
 Gas gauged 1,836,000 cu ft
 /day on 20 minute flow test
 10-2-41