

**WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY**  
 508 East Murdock,                      Wichita, Kansas

Company- CITIES SERVICE OIL CO.  
 Farm- Hall "B"                      No. 3

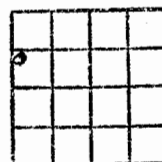
SEC. 26 T. 11 R. 17W  
 NW SW NW  
 1654.6' S 330' E of NW cor.

Total Depth. 3499' PB 3498'  
 Comm. 11-25-37                      Comp. 12-20-37  
 Shot or Treated.  
 Contractor. Corbett & Barbour  
 Issued. 5-17-58

DEEPENING RECORD:

County Ellis

KANSAS



Elevation. \_\_\_\_\_

Production. Pot. 3024 B.

CASING:  
 15 1/2" 106'  
 10" 1109'  
 7" 3383' SIM

Figures indicate Bottom of Formations.

|                         |      |
|-------------------------|------|
| surface rock shale sand | 106  |
| shale, shells           | 180  |
| shale, red rock         | 700  |
| lime, shale             | 790  |
| shale, shells           | 850  |
| red bed                 | 1108 |
| anhydrite               | 1161 |
| red bed, shale          | 1400 |
| lime shells, shale      | 1475 |
| salt                    | 1595 |
| salt, shale             | 1650 |
| shale, shells           | 1755 |
| brkn lime, shale        | 1880 |
| lime                    | 1960 |
| brkn lime, shale        | 2026 |
| lime                    | 2180 |
| shale, shells           | 2310 |
| lime, shale             | 2437 |
| brkn lime, shale        | 2495 |
| lime shells, shale      | 2590 |
| shale, shells           | 2818 |
| brkn lime               | 2910 |
| lime                    | 3027 |
| SIM Corr. 3027 equals   | 3017 |
| lime                    | 3078 |
| Kansas City lime        | 3110 |
| shale, shells           | 3150 |
| lime                    | 3214 |
| sdv lime (oil show)     | 3220 |
| lime                    | 3325 |
| brkn lime, shale        | 3360 |
| lime, shale             | 3375 |
| shale (cored)           | 3379 |
| lime (cored)            | 3382 |
| shale, lime (cored)     | 3384 |
| shale grn (cored)       | 3387 |
| conglomerate (cored)    | 3388 |
| siliceous               | 3389 |
| lime                    | 3398 |
| SIM Corr. 3398 equals   | 3392 |
| lime                    | 3400 |
| Total Depth             |      |

Perf. Pen Arbuckle 86'  
 Drilled cement to 3498' SIM  
 Perf. 10 shots 3462-68  
 200' wtr w/show oil in 15 min.  
 600' fluid in 1 1/4 hrs.  
 1800' " " 4 1/4 "  
 2350' " " 10 "  
 Dec. 2, pumped 45 oil, 450 wtr., 24 hrs.

Top Arbuckle 3382 SIM  
 Pen 18'

FILLUP  
 2950' oil in 1 1/2 hrs. 3383-92

DEEPENING RECORD:  
 Prod. Pot 8 oil, 97% wtr. PD  
 T.D.-3499' PB 3498'  
 Comm-11-15-48 Comp-11-22-48

172' 5 1/2" liner @ 2499' w/50 sx cem.

Old T.D. 3400  
 lime 3400-3495  
 3495 = 3499 SIM  
 PB 3498