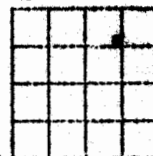


WELL LOG BUREAU KANSAS GEOLOGICAL SOCIETY  
412 Union National Bk. Bldg., Wichita, Kansas

Company - SINCLAIR PRIVATE OIL COMPANY  
Farm - E. W. Shurtz No. 5

SEC. 29 T. 34 R3E  
SE NW NE  
330' fr N1, 330' fr  
S1, of NE  
County. Cowley  
KANSAS

Total Depth. 3383'  
Comm. 7-3-48 Comp. 7-27-48 ✓  
Shot or Treated. Shot  
Contractor. Harbar Drlg. Co.  
Issued. 11-13-48



CASING:

10 3/4" 123 1/2' cem w/80 sx.  
7" OD 3327' cem w/150 sx.  
Kelly Bushing Measurements

Elevation. 1123 feet.

Production. 40 BO, 0 wtr, 24 hrs.

Figures indicate Bottom of Formations.

|                     |      |
|---------------------|------|
| clay and shells     | 50   |
| shale, sand & lime  | 140  |
| shale and shells    | 440  |
| lime brkn           | 580  |
| shale and lime      | 820  |
| shale and shells    | 1065 |
| shale & lime shells | 1220 |
| shale               | 1360 |
| shale and shells    | 1430 |
| shale               | 1500 |
| shale & lime shells | 1590 |
| lime                | 1650 |
| shale shells        | 1665 |
| shale & lime shells | 1875 |
| shale shells        | 1960 |
| shale & lime shells | 2025 |
| shale and shells    | 2130 |
| shale & lime shells | 2205 |
| shale               | 2215 |
| sand                | 2230 |
| shale               | 2250 |
| shale and sand      | 2360 |
| shale & lime shells | 2410 |
| shale and lime      | 2450 |
| shale & lime shells | 2520 |
| shale shells        | 2600 |
| shale               | 2655 |
| sand                | 2770 |
| shale               | 2785 |
| shale shells        | 2845 |
| lime                | 2945 |
| lime brkn           | 3030 |
| sand                | 3045 |
| lime                | 3160 |
| shale & lime shells | 3200 |
| lime                | 3245 |
| shale               | 3312 |

Shot Report:

Put in by Larkin  
Torpedo Co. 80 qts,  
2-30 qt. 1-20 qt.  
4" shell.

Core record:

3312 to 3330',  
1 core at 3330'.  
Not prorated.

Coring: 3312-3330'  
dk green shale, some  
thin red streaks 3316  
siltstone, lt green 3319  
shale, lxd red & grn 3320  
loss of core 3323  
shale dk red 3325  
siltstone, slightly  
shale 3330  
shale 3346  
sand 3383  
total depth

Tops:

Chat 3383

Producing Formations:

Bartlesville 3346-3383  
Shot 7-28-48, 3352'-3383'