

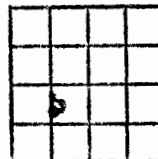
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- CITIES SERVICE OIL CO.
Farm- Wasinger 'A' No. 4

SEC. 21 T. 11 R. 18W
CW/2 NE SW
1980' fr SL 1650' fr WL

Total Depth. 3491
Comm. 8-30-52 Comp. 9-24-52
Shot or Treated. None
Contractor. Prime Drilling Co.
Issued. 1-17-53

County Ellis
KANSAS



CASING:

8 5/8 1243' w/ 350 sx cement
5 1/2 3476' w/ 150 sx cement
4 1/2 liner 34'6" at 3486'

Elevation. 1951
1953
Production. 88 BO 21 BW 24 hrs

Figures Indicate Bottom of Formations.

| | |
|--------------------------------|--------|
| lime & clay | 45 |
| shale | 300 |
| shale & shells | 530 |
| shale & sand | 600 |
| shale & shells | 680 |
| slate & pyrite | 700 ✓ |
| shale & sand | 800 |
| sand & red bed | 920 |
| red bed, shale & shells | 1005 |
| red bed, shale, shells, pyrite | 1215 ✓ |
| shale & shells | 1234 |
| anhydrite | 1270 |
| shale, shells & red bed | 1560 |
| shale & shells | 2270 |
| lime & shale | 3160 |
| lime | 3400 |
| lime & shale | 3470 |
| lime | 3476 |
| RTD 3476 - SLM 3477 | |
| shale & lime | 3484 |
| lime | 3491 |
| Total Depth | |

| | |
|------------------|------|
| TOPS: Corr. | |
| Heebner | 3143 |
| Dodge | 3165 |
| Lansing | 3185 |
| Simpson shale | 3452 |
| Simpson dolomite | 3457 |
| Arbuckle | 3484 |
| Penetration | 7 |

1591' oil in 11 hrs. after swabbing down