8-15-12W

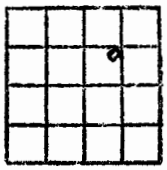
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
505 East Murdock, Wichita, Kansas

Company. Gulf Oil Company
Farm. F. W. Irwin No. 3

SEC. 8 T. 15S R. 12W
NE SW NE

Total Depth. 3297
Comm. 8-26-59 Comp. 9-3-59
Shot or Treated.
Contractor. Garvey Drilling Company
Issued. 12-19-59

County Russell
KANSAS



CASING:
8 5/8" 592' w/375 sax.
5 1/2" 3292' w/125 sax.

Elevation. 1844 DF

Production. 25 bbls. oil

Figures Indicate Bottom of Formations.

| | |
|---|---|
| top soil & post rock | 40 |
| post rock | 60 |
| shale | 220 |
| sand | 335 |
| shale | 475 |
| iron, shale & red bed | 592 |
| red bed | 768 |
| anhydrite | 810 |
| shale & shells | 1410 |
| shale & lime | 1740 |
| lime & shale | 2015 |
| shale & lime | 2150 |
| shale | 2610 |
| shale & lime | 2750 |
| lime | 2860 |
| lime & shale | 2995 |
| lime | 3155 |
| lime & shale | 3225 |
| lime | 3297 |
| Total Depth | |

TOPS:

| | |
|---|---|
| Heeb. | 2906 |
| Brown lime | 2993 |
| L-K. C. | 3004 |
| "B" zone | 3029-39 |
| Arbuckle | 3290 |

TOPS: ELECTRIC

| | |
|---|---|
| Lansing | 3004 |
| "D" Zone | 3028 |
| "G" Zone | 3074-82 |

Perf. 3030-40' w/40 holes. Squeezed off.
Acidized w/3000 gal. 15% acid.
Perf. 3030-35' w/20 holes. Squeezed off.
Acidized w/2000 gal. 15% acid.
Perf. 3032' w/4 abrasijet holes on horizontal plane.
Frac'd w/3000# 20-40 sand and lease crude.
Acidized w/2000 gal. 15% HCL