

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

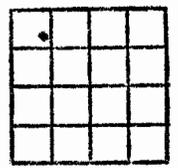
15-005-01340

Company- **EMPIRE DRILLING**  
 Farm- Goff No. 4

SEC. 10 T. 8 R. 24W  
 SE NW NW

Total Depth. 3723'  
 Comm. 10-1-54 Corp. 10-9-54  
 Shot or Treated.  
 Contractor. Empire Drlg. Co.  
 Issued. 11-20-54

County Graham  
 KANSAS



**CASING:**

8 5/8" 158' w/110 sx cem.  
 5 1/2" 3718' w/75 sx cem.

Elevation. 2285' KB

Production. 149 BO/NW

Figures indicate Bottom of Formations.

|               |          |
|---------------|----------|
| surface hole  | 186      |
| s hale-shells | 710      |
| shale         | 1270     |
| shale-shells  | 1700     |
| shale-red bed | 1920     |
| anhydrite     | 1968     |
| shale-shells  | 2150     |
| shale         | 2445     |
| shale-shells  | 2730     |
| shale         | 2870     |
| shale-lime    | 3065     |
| shale         | 3180     |
| lime-shale    | 3455     |
| lime          | 3723 RTD |
| Total Depth   |          |

TOPS:

|                     |      |
|---------------------|------|
| Heebner             | 3500 |
| Toronto             | 3517 |
| Lansing Kansas City | 3534 |