

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

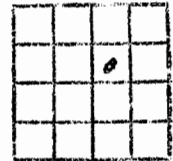
12-6-35W

Company- MUSGROVE PETROLEUM  
Farm- Brown No. 1

SEC. 12 T. 6 R. 35W  
C SW NE

Total Depth. 4805'  
Comm. 10-19-59 Comp. 11-4-59  
Shot or Treated.  
Contractor. John O. Farmer, Inc.  
Issued. 1-9-60

County Thomas  
KANSAS



CASING:

Elevation. 3176' DF

8 5/8" 205' cem w/150 sx.  
5 1/2" 3840' cem w/100 sx.

Production. 211 BOPD

Figures Indicate Bottom of Formations.

|                        |      |
|------------------------|------|
| shale & sand           | 205  |
| shale                  | 1740 |
| sand & shale           | 1840 |
| shale                  | 1860 |
| shale & shells         | 2080 |
| shale, shells & sand   | 2295 |
| shale & shells         | 2440 |
| shale, shells & redbed | 2565 |
| shale, redbed & shells | 2800 |
| redbed, shale          | 2822 |
| Anhydrite              | 2859 |
| shale & lime           | 3065 |
| shale-redbed- lime     | 3235 |
| shale & lime           | 3490 |
| lime & shale           | 3534 |
| shale & lime           | 3735 |
| lime & shale           | 3770 |
| shale & lime           | 3900 |
| lime & shale           | 4132 |
| lime                   | 4430 |
| lime & shale           | 4609 |
| lime & shale           | 4720 |
| Conglomerate & chert   | 4755 |
| Mississippi            | 4805 |
| Total Depth            |      |

| TOPS             | SAMPLE | LOG  |
|------------------|--------|------|
| Anhydrite        | 2822   |      |
| Topeka           |        | 3850 |
| Heebner          | 4031   | 4030 |
| Toronto          | 4063   | 4062 |
| Lansing          | 4080   | 4078 |
| Base Kansas City | 4340   | 4350 |
| Marmaton         | 4363   | 4365 |
| Cherokee         | 4488   | 4521 |
| Mississippi      | 4696   |      |