

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

Company- MUSGROVE PETROLEUM CORPORATION  
Farm- Zachman No. 1

SEC. 22 T. 11 R. 20W  
NW NE NW

Total Depth. 3753'

Comm. 7-20-56

Shot or Treated.

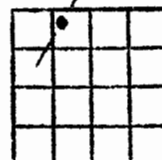
Contractor.

Issued. 3-2-57

Comp. 8-19-56

County Ellis

KANSAS



CASING:

8" 0230'

Elevation. 2091' RB

Production. Dry

Figures indicate Bottom of Formations.

|                |      |
|----------------|------|
| shale          | 650  |
| sand           | 690  |
| shale & shells | 835  |
| shale & lime   | 957  |
| shale &        |      |
| Red Bed        | 1260 |
| shale & shells | 1500 |
| Anhydrite      | 1545 |
| shale & lime   | 1605 |
| shale & shells | 1750 |
| shale & lime   | 2060 |
| lime           | 2085 |
| shale & lime   | 2140 |
| shale          | 2157 |
| lime & shale   | 3145 |
| shale          | 3175 |
| lime           | 3235 |
| Topeka         | 3292 |
| lime & shale   | 3326 |
| lime           | 3362 |
| shale          | 3378 |
| lime           | 3387 |
| shale          | 3390 |
| lime & shale   | 3456 |
| lime           | 3488 |
| lime & shale   |      |
| breaks         | 3566 |
| lime           | 3598 |
| lime & shale   | 3605 |
| lime           | 3627 |
| lime & shale   | 3692 |
| lime & chert   | 3716 |
| lime, cherty   | 3725 |
| Arbuckle       | 3753 |
| Total Depth    |      |

SCOUT TOPS

|              |      |
|--------------|------|
| Heebner      | 3354 |
| Toronto      | 3377 |
| Lansing      | 3393 |
| Base/Kansas  |      |
| City         | 3620 |
| Conglomerate | 3677 |
| Arbuckle     | 3725 |