

4-19-12W

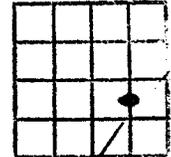
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

Company- THUNDERBIRD DRILLING, INC.  
Farm- Miller No. 4

SEC. 4 T. 19 R. 12W  
C N/2 SE

Total Depth. 3500'  
Comm. 12-8-60 Comp. 12-17-60  
Shot or Treated.  
Contractor. Thunderbird Drlg.  
Issued. 4-8-61

County Barton  
KANSAS



Elevation. 1802' DF

Production. SWDW

Figures Indicate Bottom of Formations.

|                 |          |
|-----------------|----------|
| sand & shale    | 130      |
| hard sand       | 230      |
| iron & sand     | 260      |
| shale & red bed | 655      |
| Anhydrite       | 680      |
| red bed & shale | 900      |
| shale & lime    | 1870     |
| lime & shale    | 2010     |
| lime            | 2090     |
| shale & lime    | 2510     |
| lime            | 3500 RTD |
| Total Depth     |          |

|             |      |
|-------------|------|
| TOPS: SCOUT |      |
| Heebner     | 2982 |
| Brown Lime  | 3091 |
| Lansing     | 3105 |
| Arbuckle    | 3394 |