

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
412 Union National Bk. Bldg., Wichita, Kansas

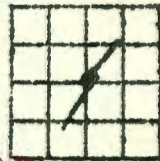
Company - BLACK-MARSHALL OIL CO.  
Farm - V. Grossardt No. 1.

SEC. 34  
SWc NE

T. 17 R. 17 COPY

Total Depth. 3329=3324  
Comm. 3-18-45 Comp. 5-2-45  
Shot or Treated.  
Contractor. Black-Marshall Oil Co.  
Issued. 6-2-45

County. Barton  
KANSAS



Elevation. 1812 DF

Production. Dry

CASING:  
15 1/2" 65' P 8" 2380' P  
12 1/2" 320' P 7" 3237' P  
10" 645' P

Figures indicate Bottom of Formations.

|                |      |                |      |
|----------------|------|----------------|------|
| cellar         | 10   | shale          | 2260 |
| clay           | 55   | red rock       | 2275 |
| sand           | 60   | shale & shells | 2305 |
| clay           | 65   | shale          | 2320 |
| clay sft       | 100  | sand           | 2335 |
| red rock       | 110  | shale          | 2380 |
| shale blue     | 130  | lime           | 2390 |
| sand           | 135  | shale          | 2440 |
| shale          | 170  | lime           | 2455 |
| red rock       | 190  | shale          | 2460 |
| shale          | 245  | lime           | 2470 |
| sand           | 260  | shale & shells | 2535 |
| shale blue     | 375  | shale          | 2595 |
| red rock       | 435  | lime           | 2600 |
| red rock sdy   | 480  | shale          | 2620 |
| red rock       | 643  | lime           | 2645 |
| anhydrite      | 665  | shale          | 2665 |
| red rock       | 850  | lime           | 2815 |
| shale blue     | 900  | shale          | 2820 |
| shale          | 965  | lime           | 2850 |
| red rock       | 990  | shale          | 2855 |
| shale blue     | 1095 | lime           | 2930 |
| salt           | 1340 | shale          | 2945 |
| shale blue     | 1365 | lime           | 2965 |
| lime           | 1370 | shale          | 3040 |
| red rock       | 1375 | lime           | 3045 |
| shale blue     | 1390 | shale          | 3050 |
| shale & shells | 1405 | lime           | 3082 |
| lime           | 1415 | shale          | 3085 |
| shale          | 1425 | lime           | 3205 |
| lime           | 1445 | shale          | 3210 |
| shale          | 1455 | lime           | 3257 |
| lime           | 1465 | shale          | 3260 |
| shale          | 1510 | lime           | 3320 |
| lime           | 1525 | conglomerate   | 3329 |
| shale          | 1545 |                |      |
| lime           | 1585 |                |      |
| shale          | 1595 |                |      |
| red rock       | 1610 |                |      |
| lime           | 1635 |                |      |
| shale          | 1680 |                |      |
| lime           | 1765 |                |      |
| red rock       | 1770 |                |      |
| lime           | 1825 |                |      |
| shale          | 1850 |                |      |
| red rock       | 1855 |                |      |
| lime           | 1870 |                |      |
| shale & shells | 1895 |                |      |
| red rock       | 1900 |                |      |
| shale          | 1935 |                |      |
| lime           | 1955 |                |      |
| shale          | 1970 |                |      |
| red rock       | 1985 |                |      |
| lime           | 2020 |                |      |
| shale          | 2025 |                |      |
| lime & shale   | 2070 |                |      |
| shale & shells | 2110 |                |      |
| shale          | 2120 |                |      |
| shale & shells | 2200 |                |      |

Total Depth 3329 = 3324

Tops:

|              |      |
|--------------|------|
| Anhydrite    | 643  |
| Topeka       | 2665 |
| K.C. Brown   | 3045 |
| K.C. White   | 3050 |
| Sand         | 3265 |
| Conglomerate | 3320 |

Water Record

|       |           |
|-------|-----------|
| 4 BWH | 55- 60    |
| 1 BWH | 130       |
| HFV   | 245- 260  |
| 2 BWH | 440       |
| 2 BWH | 1680-1695 |
| HFV   | 2325      |
| 1 BWH | 2550-2565 |
| 1 BWH | 2700-2715 |
| 2 BWH | 2955-2965 |
| 1 BWH | 3175      |
| HFV   | 3230      |
| HFV   | 3255-3265 |