

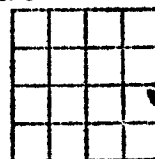
**WELL LOG BUREAU — KANSAS GEOLOGICAL SOCIETY**  
508 East Murdock, Wichita, Kansas

Company - EL CAPITAN OIL COMPANY  
Farm - Michel No. 1

SEC. 33 T. 11 R. 13W  
NE NE SE

Total Depth. 2866  
Comm. 5-18-48 Comp. 8-30-48  
Shot or Treated. 5000 gals.  
Contractor.  
Issued. 9-24-49

County. Russell  
KANSAS



CASING:  
12 1/2" 59' 8 1/4" 625'  
10" 315' 6 5/8" 2210'  
5 3/16" 2854'

Elevation. 1698 *Ind*

Production. 200 bbls.

Figures Indicate Bottom of Formations.

|                    |      |                    |      |
|--------------------|------|--------------------|------|
| clay sdy           | 40   | red rock           | 1940 |
| shale              | 60   | lime               | 1950 |
| red rock           | 70   | shale              | 2022 |
| shale              | 90   | lime               | 2025 |
| sand, iron         | 117  | shale              | 2035 |
| iron               | 121  | lime               | 2055 |
| shale sdy          | 124  | shale              | 2115 |
| iron               | 129  | lime, shale        | 2120 |
| shale              | 135  | red rock           | 2132 |
| redrock            | 140  | shale              | 2165 |
| shale              | 145  | lime               | 2168 |
| lime               | 155  | redrock            | 2178 |
| shale              | 165  | shale              | 2182 |
| shale red          | 175  | lime               | 2190 |
| lime               | 190  | shale              | 2200 |
| shae               | 310  | red rock           | 2210 |
| red rock           | 635  | shale              | 2214 |
| lime               | 660  | lime Show Oil      | 2215 |
| shale red          | 695  | lime               | 2219 |
| shale              | 740  | shale              | 2261 |
| red rock           | 825  | lime               | 2265 |
| shale              | 880  | shale              | 2293 |
| red rock           | 915  | shale sdy          | 2325 |
| shale              | 940  | lime               | 2360 |
| red rock           | 950  | shale              | 2368 |
| shale              | 1020 | lime               | 2380 |
| lime               | 1030 | shale              | 2390 |
| salt               | 1310 | lime               | 2410 |
| lime               | 1315 | shale              | 2425 |
| shale              | 1350 | lime               | 2435 |
| lime               | 1358 | shale              | 2447 |
| shale              | 1385 | shale sdy          | 2472 |
| lime               | 1395 | lime               | 2478 |
| shale              | 1400 | shale              | 2515 |
| shale, lime shells | 1445 | lime               | 2548 |
| lime               | 1470 | shale              | 2555 |
| shale              | 1490 | lime               | 2595 |
| shale, shells      | 1515 | lime Show Oil      | 2602 |
| lime               | 1530 | lime               | 2760 |
| shale              | 1540 | shells             | 2770 |
| red rock           | 1460 | lime, shells       | 2775 |
| lime               | 1475 | Dodge lime Show O. | 2780 |
| shale              | 1495 | lime               | 2790 |
| lime               | 1600 | shale red          | 2800 |
| shale              | 1620 | shells             | 2825 |
| lime brkn          | 1680 | lime               | 2854 |
| red rock           | 1700 | Show oil           | 2860 |
| shale              | 1775 | lime               | 2866 |
| lime               | 1790 | Total Depth        |      |
| shale              | 1820 |                    |      |
| red rock           | 1825 | 4PV 405            |      |
| lime               | 1840 |                    |      |
| shale              | 1850 |                    |      |
| lime               | 1858 |                    |      |
| shale              | 1890 |                    |      |
| red rock           | 1895 |                    |      |
| red rock           | 1915 |                    |      |
| lime               | 1925 |                    |      |