

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

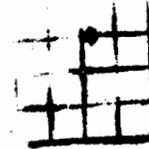
Cities Service Oil Co.
Well No. 2

SEC. 19 T. 17 R. 9 W.
CWL - NE
1320'N 330'E Center Sec.

Total Depth 3242'
Comm. 4-25-39 Comp. 5-20-39
Shot or Treated
Contractor. Twin Drilling Co.
Issued 7-15-39

County. Ellsworth

Rotary 3239
Cable Tools 3242



C A S I N G.

8-1/4" 223'
5-1/2" 3230'

Elevation.

Production. Pot. 1300 B. Depthograph

Figures Indicate Bottom of Formation.

| | | | |
|-----------------------|------|------------------------------------|------------|
| Shale blue med. | 30 | Lime light med. | 2486 |
| Sand soft | 50 | Shale blue med. | 2501 |
| Shale red | 90 | Shale blue shells | 2505 |
| Shale blue shells | 232 | Lime light hard | 2580 |
| Shale & Shells blue | 370 | Lime dark hard | 2605 |
| Shale red shells | 470 | Lime light med. | 2629 |
| Anhydrite | 495 | Lime light hard | 2672 |
| Shale blue shells | 700 | Lime dark hard | 2698 |
| Shale grey sandy | 850 | Broken lime | 2708 |
| Shale blue shells | 950 | Lime light med. | 2747 |
| Shale & salt dark | 1060 | Lime light hard | 2790 |
| Salt dark soft | 1160 | Lime brown hard | 2810 |
| Shale & shells | 1180 | Lime broken | 2932 |
| Shale blue shells | 1270 | Lime dark hard | 2970 |
| Lime light shale br. | 1290 | Lime light med. | 2990 |
| Shale blue shells | 1300 | Lime broken soft | 3020 |
| Shale lime light med. | 1431 | Lime light med. | 3085 |
| Shale & Lime shells | 1471 | Broken lime | 3105 |
| Lime light med. | 1504 | Lime light hard | 3232 |
| Shale & Shells | 1570 | Top Arbuckle | 3229 |
| Lime light hard | 1590 | T.D. rotary | 3240 |
| Shale lime shells | 1605 | 3240 rotary T.D. | = 3239 |
| Lime light hard | 1620 | Top Arbuckle | 3228 corr. |
| Lime light med. | 1645 | Lime light | 3242 T.D. |
| Shale & Shells | 1725 | | |
| Broken lime | 1800 | Top Arbuckle | 3228 |
| Shale & shells | 1830 | Penetration | 14 |
| Lime light & med. | 1860 | Total Depth | 3242 |
| Lime broken med. | 1905 | | |
| Shale shells med. | 1942 | FILLUP: 2000' in 30 min., 2400' in | |
| Lime broken med. | 2014 | 45 min., 3060' in 3 hours. | |
| Lime light broken | 2095 | | |
| Lime broken med. | 2115 | | |
| Lime light hard | 2135 | | |
| Shale & Shells | 2200 | | |
| Lime light med. | 2215 | | |
| Shale grey shells | 2260 | | |
| Lime grey med. | 2295 | | |
| Shale blue shells | 2340 | | |
| Lime light med. | 2355 | | |
| Shale blue shells | 2405 | | |