

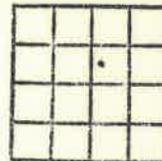
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company. ALPINE OIL & ROYALTY CO., INC.
Farm- Hartman No. 5

SEC. 28 T. 19 R. 11W
C W $\frac{1}{2}$ SW NE

Total Depth. 3362'
Comm. 6-12-53 Comp. 6-22-53
Shot or Treated.
Contractor. Quaker Drlg. Co., Inc.
Issued. 3-5-55

County Barton
KANSAS



Elevation. 1782 RB

Production. Pmp. 25 bbls.

CASING:

8 5/8" 235' w/175 sx cem.
5 1/2" 3331' w/150 sx cem.

Figures Indicate Bottom of Formations.

| | |
|---------------|----------|
| shale-sand | 100 |
| shale-shells | 225 |
| red bed-shale | 545 |
| Anhydrite | 580 |
| shale-shells | 1125 |
| shale | 1395 |
| lime-shale | 1545 |
| lime | 1650 |
| shale | 1730 |
| lime | 1925 |
| lime-shale | 2020 |
| shale | 2285 |
| lime-shale | 2930 |
| lime | 2980 |
| lime-shale | 3080 |
| lime | 3145 |
| lime-shale | 3210 |
| lime | 3220 |
| lime-shale | 3334 RTD |
| lime-shale | 3362 |
| Total Depth | |

TOPS:

| | |
|--------------|------|
| Anhydrite | 545 |
| Heebner | 2919 |
| Brown Lime | 3036 |
| Lnsing | 3056 |
| Conglomerate | none |
| Arbuckle | 3329 |