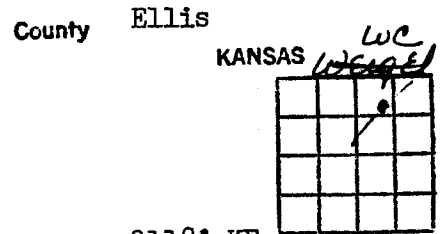


WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- ALPINE OIL & ROYALTY COMPANY, INC.
 Farm- Peter Hoff No. 1

SEC. 19 T. 12 R. 16W
 SE NW NE

Total Depth. 3659'
 Comm. 12-15-56 Comp. 12-30-56
 Shot or Treated.
 Contractor. Quaker Drilling Company, Inc.
 Issued. 1-19-57



Elevation. 2118' KB

CASING:

8 5/8" @193' w/150 sx cem.

Production. Dry

Figures Indicate Bottom of Formations.

| | |
|----------------|----------|
| chalk & shale | 178 |
| shale & shells | 197 |
| shale & sand | 430 |
| shale | 620 |
| sand | 675 |
| shale & shells | 800 |
| sand | 925 |
| red Bed | 1250 |
| shale & shells | 1280 |
| Anhydrite | 1320 |
| shale & shells | 1380 |
| shale | 1645 |
| shale & lime | 2040 |
| sandy lime | 2175 |
| lime & shale | 2655 |
| shale | 3044 |
| shale & lime | 3390 |
| lime | 3455 |
| lime & shale | 3659 RTD |
| Total Depth | |

| | |
|--------------|------|
| TOPS | |
| Heebner | 3305 |
| Toronto | 3322 |
| Lansing | 3352 |
| Conglomerate | 3604 |
| Arbuckle | 3629 |