

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

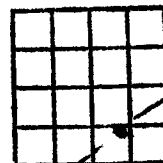
33-21-14W

Company—ALPINE OIL & ROYALTY COMPANY, INC.  
Farm— Krampe No. 1

SEC. 33 T. 21 R. 14W  
NE SW SE

County Stafford  
KANSAS

Total Depth. 3805'  
Comm. 7-6-63 Comp. 7-16-62  
Shot or Treated.  
Contractor. Quaker Drilling Co.  
Issued. 9-28-63



Elevation. 1944' K.B.

Production. Dry

Figures Indicate Bottom of Formations.

|                     |      |
|---------------------|------|
| surface soil & sand | 220  |
| shale & shells      | 263  |
| sand & shale        | 545  |
| red bed             | 851  |
| anhydrite           | 877  |
| shale & shells      | 1635 |
| lime & shale        | 3650 |
| lime & chert        | 3760 |
| lime                | 3776 |
| sand & lime         | 3805 |
| Total Depth         |      |

|                  |      |
|------------------|------|
| TOPS:            |      |
| Anhydrite        | 851  |
| Heebner          | 3298 |
| Brown Lime       | 3416 |
| Lansing          | 3427 |
| Base Kansas City | 3654 |
| Viola            | 3693 |
| Simpson          | 3744 |
| Arbuckle         | 3797 |