

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

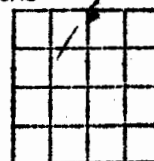
Company. AMERADA PETROLEUM CORP.  
Farm. Heter No. 1

SEC. 4 T. 21 R. 7E  
NW N/ NE

Total Depth. 2977'  
Comm. 4-17-49 Comp. 5-3-49  
Shot or Treated.  
Contractor. Noble Drlg. Co.  
Issued. 6-11-49

County. Chase

KANSAS



8-5/8" CASING:  
118'

Elevation. \_\_\_\_\_

Production. Dry & Abandoned

Figures Indicate Bottom of Formations.

|                      |      |
|----------------------|------|
| shale                | 230  |
| lime & shale         | 408  |
| lime                 | 420  |
| shale                | 440  |
| lime                 | 460  |
| shale & lime         | 680  |
| sand                 | 690  |
| shale                | 710  |
| sand                 | 732  |
| shale                | 800  |
| lime                 | 820  |
| shale                | 850  |
| lime                 | 872  |
| shale                | 1020 |
| shale & lime         | 1050 |
| sand                 | 1065 |
| shale                | 1105 |
| lime & shale         | 1142 |
| shale                | 1195 |
| lime                 | 1208 |
| shale                | 1222 |
| sand                 | 1230 |
| lime                 | 1234 |
| shale                | 1262 |
| lime                 | 1275 |
| shale                | 1304 |
| lime                 | 1315 |
| shale                | 1336 |
| lime                 | 1345 |
| shale                | 1360 |
| sand & shale         | 1375 |
| shale                | 1416 |
| lime & shale         | 1504 |
| shale                | 1540 |
| sand & shale         | 1590 |
| shale                | 1774 |
| lime & shale         | 2110 |
| shale                | 2179 |
| lime & shale         | 2345 |
| shale                | 2410 |
| granite wash & shale | 2500 |
| shale                | 2610 |
| chert conglomerate   | 2678 |
| chert & lime         | 2909 |
| shale & lime         | 2977 |
| Total Depth          |      |

Ran Schlumberger TD 2977'  
Schlumberger T.D. 2976'

Sample Tops:  
Topeka 1105  
Oread 1416  
Lansing K. D. 1744  
Marmaton 2190  
Cherokee 2345  
Mississippi 2670  
Kinderhook 2909