

31-20-13W

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

Company - NEBRASKA-WYOMING OIL CO.  
Farm - Hays No. 1

SEC. 31 T. 20 R. 13W  
NE NE SE

Total Depth. 3630  
Comm. 3-9-49 Comp. 4-4-49  
Shot or Treated.  
Contractor. Sterling Drilling Co.  
Issued. 5-14-49

County. Barton  
KANSAS



CASING:

8 5/8" 600' cem w/350 sx., circulated  
5 1/2" 3589' cem w/75 sx.

Elevation. 1906 Ind.

Production. Dry

Figures Indicate Bottom of Formations.

|                    |       |
|--------------------|-------|
| Kelly bushing      | 0     |
| sand, clay         | 170   |
| shale, shells      | 190   |
| shale, shells and  |       |
| red bed            | 745   |
| anhydrite          | 765   |
| shale, red bed     | 890   |
| shale, lime        | 1305  |
| shale              | 1540  |
| salt               | 1560  |
| shale, shells      | 1575  |
| shale, lime        | 1725  |
| lime               | 1830  |
| lime, shale        | 2210  |
| lime               | 2240  |
| lime, shale        | 2750  |
| shale, shells      | 2875  |
| shale, lime        | 2980  |
| lime               | 3180  |
| lime, shale        | 3285  |
| lime               | 3591  |
| RTD corrected to   | 3595' |
| lime               | 3605  |
| lime, chert, shale | 3616  |
| lime               | 3630  |
| Total depth        |       |

Tops:  
Heebner shale 3177  
Lansing/K. C  
Brown Lime 3289  
White Lime 3301  
Conglomerate 3542  
Arbuckle Lime 3573

DST w/hole open from 3324 to 3354'.  
Open 30 mins 8' of mud. Recd. Pressure 0.  
DST w/hole open from 3427 to 3434', open 30  
mins, 30' water and mud, recovered, pressure 0.

DST w/hole open from 3582 to 3593, open 1 hr,  
15' of mud, recovered Pressure 0.

Testing w/cable tools.

After drilling plug and cleaning out to  
the bottom 30 gal of acid was dumped and  
splashed against walls for approximately 2 hrs,  
then bailed out. 20 gal acid dumped and let set 8 hrs,  
bailed out. Still no show free oil. Drilled to 3630  
at approximately 2' runs no free oil showed in hole  
or no water. Well was perforated by Lane wells  
from 3574-78', no increase in oil or water. Perf. w/12  
shots from 3460-64'. No inc. in oil or water.  
Perf. w/11 shots from 3430 to 3434', no increase in oil  
or water. Perf. w/12 shots from 3325 to 3329' no increase  
in oil or water. Well properly plugged and pipe pulled.