

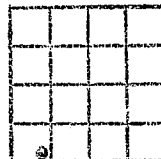
WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

Company- MAGNOLIA PETROLEUM COMPANY  
Farm- Schmidt Heirs No. 4

SEC. 19 T. 20 R. 14W  
SE SW SW

Total Depth. 3680 PB 3648  
Comm. 7-7-53 Comp. 8-12-53  
Shot or Treated. Acidized  
Contractor. Mallonee Drilling Co.  
Issued. 10-24-53

County Barton  
KANSAS



CASING:

9 5/8" 918' cem w/400 sx  
5 1/2" 3678' cem w/200 sx

Elevation. 1914 D.F.

Production. P. 50 BO & 50 BWPD

Figures indicate Bottom of Formations.

|                    |      |
|--------------------|------|
| sand               | 70   |
| shale, pyrite stks | 230  |
| shale              | 335  |
| sand               | 430  |
| red bed            | 625  |
| red bed, shale     | 730  |
| shale              | 867  |
| chalk, shale       | 914  |
| anhydrite          | 940  |
| shale, shells      | 1300 |
| shale, limeshells  | 1780 |
| lime               | 1810 |
| lime, shale        | 1975 |
| lime               | 2100 |
| shale              | 2121 |
| lime               | 2260 |
| lime, shale        | 2300 |
| shale, lime shells | 2500 |
| lime, shale        | 3040 |
| lime               | 3247 |
| shale              | 3305 |
| lime               | 3572 |
| chert, shale, sand | 3585 |
| lime               | 3602 |
| lime cherty, shale | 3620 |
| lime               | 3680 |
| Total Depth        |      |
| PB 3648            |      |

Tops:

|                     |      |
|---------------------|------|
| Heebner             | 3216 |
| Lansing Kansas City | 3314 |
| Viola               | 3553 |
| Arbuckle            | 3621 |

DST 3590-3602, op. 1 hr,  
no blow, rec. 5' mud, BHP zero.

DST 3628-38, op., 35 min., gas  
in 2 min., est. 1,600 MCFGPD,  
oil & water spray 17 min.,  
rec. 180' clean oil, 120' 50%  
oil cut water, 540' sl. oil cut  
water, 20 min. SI BHP 1085#.

Perf. 3587-92 w/24 sh., hydrafrac,  
acidized w/250 gals., swb 10 BWSPH  
dor 5 hrs., NSO.

Sq. perf. 3587-92, drld out ~~cm~~ to  
3648

Perf. 3630-33 w/12 jet sh., acidized  
w/250 gals. P 15 BO & 100 BW in 15  
hrs.