

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

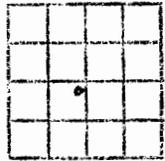
15-163-00631

Company—DERBY OIL COMPANY
Farm— Berland No. 1

SEC. 20 T. 10 R. 19W
NE NE SW
2310' frm SL, 2310' frm WL, SW

Total Depth. 3782
Comm. 7-16-53 Comp. 8-8-53
Shot or Treated.
Contractor. Glenn W. Peel; Bentley Cable Tools
Issued. 1-16-54

County Rooks
KANSAS



Elevation. 2198 D.F.

Production. ^{Dmp} Phy. Pot. 27 BO / 90% water

Figures indicate Bottom of Formations.

surface clay & sand	150
shale	760
sand, shale	1225
shale, red bed	1585
shale, shells	1600
anhydrite	1860
shale & shells	2350
lime	2605
lime, shale	2785
lime	2825
lime & shale	3170
lime	3405
lime, shale	3445
lime	3720
congl. chert	3747
chert & lime	3760
shale & chert	3770
congl & Arbuckle	3777
arbuckle	3782
Total Depth	RTD

All Measurements are from Kelly Bushing which is 7.40 Ft. above Braden Head.

Treated w/500 gal. XXF-32 acid, Max. press. 457#, finished on 475#. 1" press. drop 375#, 2" press. drop. 450#, 0 in 3", slight vacuum in 10"

1 hr. swab test after recovery of fluid: 4 BO/- 19.36 BW, 500' off bottom.

5 hr. Test: 3.63 BOPH / 17.07 BWPH
5 " " 3.25 " / 20.56 "
Swabbing 700' off bottom

Pump Tests: 11-25-53 21.8 BO / 365 BW
11-26-53 23.47 BO / 365 BW

Tops:	
Heebner	3403
Toronto	3427
Lansing	3444
B. Kansas City	3644
Conglomerate	3687
Simpson shale	3726
Simpson dolomite	3732
Reworked Arbuckle	3769
Arbuckle	3773

Drill Stem Tests:

Lansing 3497-3530 Op. 1 hr
Rec. 100' salt water, BHP 1040#.
Lansing 3588-3610 Open 1 hr.
Rec. 5' mud, BHP 0#.
Arbuckle 3771-3777, Op. 1 hr.
Rec. 50' muddy water BHP 945#.
Arbuckle 3778-3782 Op. 1 hr.
R_ec. 155' HOCM, BHP 1040#.

8-6-53 500 gals, XXF-32
Oil before acid 4.3 BO-4 hrs, 19.36 BWPH
Oil after acid 4 BOPH / 19.36 BWPH
put in by Dowell.

Completion Record:

DC & CO to RTD 3782. fill up 250' fluid
8 swab tests (4 hrs. each)
1 - 11.42 BO / 8.74 BW
2 - 6.55 BO / 18.65 BW
3 - - 2.52 BO / 21.42 BW
4 - 3.60 BO / 18.24 BW
5 - 3.36 BO / 21.84 BW
6 - 5.14 BO / 17.54 BW
7 - 4.30 BO / 23 BW
8 - 4.30 BO / 20.6 BW Gravity 20° (Corrected)