

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY

502 East Murdock,

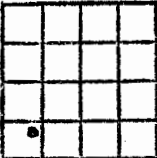
Wichita, Kansas

Company- THE DERBY OIL COMPANY
Farm- Rogers "A" No. 2

SEC. 22 T. 10 R. 20W
NE SW SW
990' fr SL, 990' fr WL

Total Depth. 3693
Comm. 6-18-54 Comp. 7-5-54
Shot or Treated.
Contractor. Glon W. Peel; Cable- Bentley
Issued. 8-28-54

County Rooks
KANSAS



CASING:
8 5/8" 202' cem. w/150 sx
5 1/2" 3687' cem. w.100 sx

Elevation. 2113 DE

Production. IPP 149 BOPD & NW

Figures Indicate Bottom of Formations.

All measurements are from Kelly Bushing which is 7.15' above braden head.

sand & shale	1580
Anhydrite	1615
shale	1675
shale & shells	2060
shale & lime	2600
lime	2760
lime & shale	3125
lime	3640
Conglomerate	3680
lime	3691 RTD
lime	3693
Total depth	

3692. 2 hr. swab test: 1st hr. 4.16 BO, 2nd hr. 3.34 BO, 1 2/10% wtr. Treated w/1500 gal. XXM-38. Max. press. 900#, finished on 900#. 1" PD 75#, 5" PD 200#, 30" PD 400#. 12 hr. swab test after recovered back averaged 5.43 BOPH plus 1% wtr. POP 7-1-54, 5'

Geological Tops:

Hebner	3354
Toronto	3374
Lansing	3391
BKC	3610
Conglomerate	3640
Simpson	3668
Arbuckle	3685

7-19-54, Oil 96, Water 0.4%, Pump. 14 spm, 34" stroke, 24 hrs.
7-23-54, oil 149, water 0.2%, State test, 17 spm, 34" stroke, 24 hrs.

Drill Stem Tests:

Arbuckle 3685-3691, Open 60".
Good blow 60", rec. 240' gas plus 180' free oil. BHP 780#, IFP 20#, FFP 80#.
Cleaned out to RTD 3691. Tested: 1st hr. 168 BO, 2nd hr. 167 BO, 3rd hr. 1.26 BO 4th hr. 1.84 BO 5th hr. 1.26 BO.
Treated w/500 gal. 15% J. type acid. Max. press. 1150#, finished on 1150#. 1" PD 100#, 5" PD 250#, 25" PD 575#. Swab test after rec. back averaged 1.67 BOPH for 5 hrs. 2% water.
DD 3691-93. Swab test: 1st hr. 167 BO. 2nd hr. 126 BO, 3rd hr. 1.26 BO. Treated w/1000 gal. XXM-38, max press. 850#, finished on 850#, 1" PD 50#, 5" PD 100#, 25" PD 375#. 5 hr. swab test after recovery back averaged 2.20 BOPH plus 1 2/10% wtr. Perforated w/Wellex Formation Fracturing tool at 3688, 3689, 3690. Cleaned out to