

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY

503 East Murdock,

Wichita, Kansas

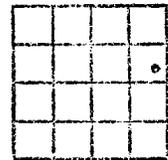
2-16-46

Company- DERBY OIL COMPANY
 Farm- Lockstrom No. 4

SEC. 2 T. 16 R. 4W
 SE SE NE

Total Depth. 3431 KB
 Comm. 11-6-51 Comp. 12-1-51
 Shot or Treated.
 Contractor. E. K. Carey
 Issued. 1-19-52

County Saline
 KANSAS



CASING:
 8 5/8" 330' cem w/250 sx.
 5 1/2" 3430' cem w/ 75 sx.

Elevation. 1315 DF

ALL MEASUREMENTS ARE FROM
 KELLY BUSHING 6.85 from
 Bradenhead

Production. Pot. 104 BO / 24 BW

Figures indicate Bottom of Formations.

base & cellar	8
shale, shells	200
shale, lime	330
cement	330
shale, lime	1040
shale	1620
lime, shale	2275
lime	2800
lime, shale	2910
lime	2936
dolomite	2950
lime, shale	2970
lime, chert	3050
dolomite, chert	3060
shale, chert, lime	3138
dolomite, chert	3142
lime & shale	3192
shale	3354
dolomite, lime	3362
shale	3429
dolomite, chert	3431 RTD
Total Depth	

11.32 BO / 2.48 BW. 24 hr pumping
 test; 33 BO & 6 BW. State test
 104 BO / 24% water for 24 hrs.

Acidizing Record : 11-29-51
 250 gal.
 Oil before 100' oil/15 hrs.
 Oil after 225' " " "
 wtr before trace
 wtr after 450' wtr/15 hrs.

Tops:
 Mississippi 2910
 Kinderhook Sh. 3192
 Hunton lm. 3354
 Maquoketa sh. 3362
 Maquoketa dolo. 3429

Show free oil at 3431

Drilled plug and cleaned out
 to 3431. Filled up 100' oil
 in 15 hrs. perforated 18 Kone
 shots 3429-31. Lost perforating
 gun and 200' of line; fished out
 gun & line. Treated with 250 gal.
 acid. Filled up 550' water and
 380' oil in 15 hours. Swb. test:
 Averaged 2 BOPH / 55% water for
 5 hours. Filled up, 225' oil &
 450' water in 15 hrs. Ran gamma
 ray, run tubing & rods, 8 hr test