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

Company- DERBY OIL CO. SEC. 33 T. 19 R. 12W
Farm- Riverbed "A" No. 2 CW/2 SW NW

Total Depth. 3384
Comm. 3-21-52 Comp. 4-9-52
Shot or Treated.
Contractor. Glenn W. Peel & Ben Andrews
Issued. 6-21-52

County Barton
KANSAS

Elevation. 1816 D.F.

CASING:
8 5/8" 138 cem. w/125 sx.
5 1/2" 3370 cem. w/100 sx.

Production. state test 178 bbl. oil + 28% wtr.

Figures Indicate Bottom of Formations.

sand	35
shale	129
pyrite	138
?	147
pyrite & iron	150
shale	240
redbed & shale	625
shale	850
shale & shells	1150
shale & salt	1400
shale & lime	1680
lime & shale	2030
lime	2100
lime & shale	2800
lime	2982
shale blk	2986
lime	2990
lime & shale	3022
shale, sand & lime	3104
lime	3114
shale	3119
lime	3169
lime, tr. of chert	3190
lime & shale	3210
lime	3282
lime & shale	3288
lime	3337
lime & shale	3341
lime	3361
shale, lime & tr. of chert	3366
dolo.	3370 RTD
dolo.	3384
Total Depth	

pump down after acid was in the formation. Press. dropped in 5 mind. from 1400# to 1125#. Pulled tubing & swab tested for 11 hrs. No incr. D.D. from 3378-3384. Swab tested for 10 hrs, averaged 10 BOPH, no wtr. 500 gals. acid through tubing Max. press. 625#. Shut pmp down, press. dropped from 625# to 400# in 1 min; 400# to 200# in 5 min; 200# to 0# in 10 min. 4 hr. swab test: 15 BO; 2nd hr, 17 BO; 3rd hr. 22 BO; 4th hr, 15 BO; getting approx. 5% wtr. Running tubing & rods.

Acid: 4-3-52 500 gals. 365# press. thro. casing. Form. would not take acid. Oil before 1.6 BOPH Oil after 1.8 BOPH no w tr.
4-5-52 1000 gals. acid 1050# press. tubing 1400# csg. press. 104 b.o. in 4 hrs. tubing form. would not take acid. 2.5 BOPH
4-7-52 500 gals acid 625# tubing press. 10 BOPH oil before. After 17 BOPH 5% wtr.

Tops:

Heebner shale	2982
Brown lime	3104
Lansing lime	3119
Arb. dolo.	3366

D.S.T. Lansing 3125-3190 weak blow 7", rec. 4' mud, 0 BHP

Drilled plug & c.o. to RTD 3370. Left set for 2 hrs, filled up 400' of fluid Swb. hole down & tested for 3 hrs. 1st hr; 1.68 BO, no wtr. 2nd hr: 1.26 BO & no wtr. 3rd hr: 2.10 BO & no wtr. Treated w/500 gals. of acid. Steady build up in press. from 25# to 365#. Max. press. 365#; 1 min. pre s. dropped 115#; 4 min., press. drpd. 265#. 5 min. on vac. 13 hr swb test off bottom, 25 BO, no wtr; DD 3370-3378, small incr; 6 hr. swab test averaged 2½ BOPH;
Treated w/1000 gals. a cid through tubing, using Dowells's Selective acid treatment. Treated bottom zone from 3370-78 w/500 gal. Dowell XX acid. Pressured up 1400# on casing, 1050# on tubing. Pmp. on acid for 4 hrs, unable to get formation to take acid. Let other 500 gals. go in upper zone. Shut