

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

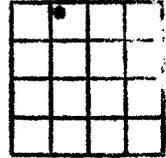
28. 33-4E

Company- HARBAR OIL & GAS COMPANY
Farm- Richardson No. 1

SEC. 28 T. 33 R. 4E
NW NE NW

Total Depth. 3151'
Comm. 2-21-62 Comp. 3-1-62
Shot or Treated.
Contractor. Economy Drilling, Inc.
Issued. 12-8-62

County Cowley
KANSAS



Elevation. 1135' RB

Production. 25 BOPD, NW

CASING:

8" 150' cem w/125 sx.
5" 3141' cem w/150 sx.

Figures Indicate Bottom of Formations.

open hole	80
cement	153
lime & shale	485
shale & lime	1000
lime & shale	1310
shale & sand	1330
lime	1355
shale & lime	1985
shale & sand	2170
shale & sandy shale	2245
shale	2306
shale & lime streaks	2435
cave #1	2438
shale & sand	2540
sandy shale	2550
shale & lime streaks	2610
lime & shale	2649
lime-Kansas City	2715
lime	2730
sand-Cleveland	2755
shale & lime	2822
lime w/shale streaks	2908
lime-Oswego	2915
shale & lime	3087
shale w/lime streaks	3139
Mississippi	3150
Mississippi ?	3151
Total Depth	

TOPS: SCOUT

Stalnaker Sand	2069
Upper Layton Sand	2443
Kansas City Lime	2605
Base Kansas City	2716
Cleveland	2730
Base Cleveland	2768
Oswego Lime	2795
Base Oswego Lime	2914
Bartlesville	3090
Base Bartsville	3098
Mississippi	3139