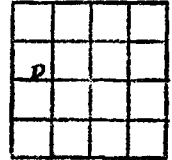


WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
 508 East Murdock, Wichita, Kansas

Company- NATIONAL COOPERATIVE REFINERY ASS'N SEC. 19 T. 14 R. 13W
 Farm- Rein "A" No. 7 SE SW NW

Total Depth. 2442
 Comm. 1-7-53 Comp. 1-16-53
 Shot or Treated.
 Contractor. Murfin Drilling Co.
 Issued. 2-28-53

County Russell
 KANSAS



CASING:
 8 in. 227'
 5 in. 2441'

Elevation. 1781
 1784 (9)
 Production. Pump 91 BO, trace water

Figures indicate Bottom of Formations.

shale, sand & shells	160
shale	225
shale & lime shells	435
shale & shells	485
red bed	759
anhydrite	791
shale & shells	1035
salt & shells	1335
shale & shells	1475
lime & shale	1618
lime	1818
lime & shale	1920
lime	2015
shale & lime	2284
coring	2368
reamed	2368
coring	2442
reamed	2442
Total Depth	
SCOUT TOPS:	
Anhydrite	759
Tarkio	2306
Tarkio sand	2324