

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

15-065-60405

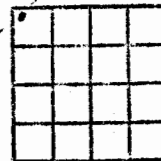
NATIONAL COOPERATIVE REFINERY ASS'N
Company- & EMPIRE DRILLING CO.
Farm- Ralph Keith No. 1

SEC. 29 T. 8 R.24W
NW NW NW

Total Depth. 4510
Comm. 11-19-54 Comp. 12-3-54
Shot or Treated.
Contractor. Empire Drilling Co.
Issued. 12-25-54

County Graham

KANSAS



CASING:
8 5/8 182' w/ 115 sx cmt.

Elevation. 2394 KB

Production. Dry

Figures indicate Bottom of Formations.

surface hole	191
shale & shells	970
shale	1405
shale & shells	1715
shale & red bed	2113
anhydrite	2145
shale	2260
shale & shells	2430
shale	2550
shale & shells	2795
shale	2910
shale & lime	3640
lime	3935
shale & lime	4060
lime	4412
lime & shale	4438
lime	4510
Total Depth	

TOPS:	
Anhydrite	2113
Heebner	3694
Toronto	3718
Lansing KC	3733
Base KC	3956
Marmaton	4065
Penn. conglomerate	4226
Mississippi chert	4256
Mississippi lime	4278
Kinderhook shale	4345
Viola	4354
Simpson sand	4449
Arbuckle	4487

DST #1: 3880-3920