

Wichita, Kansas
29-14-12E

Well: Harrold #1
Location: SW/4 NE/4 NE/4
Section 29-14S-12E
Wabaunsee County, Kansas
Operator: Natural Gas & Oil Company
1009 Central Building
Wichita, Kansas
Contractor: Twin Drilling, Inc.
1005 Central Building
Wichita, Kansas

Elevation: 1385 D.F.
Commenced: 1-14-59
Completed: 1-26-59

Casing 8 5/8" 221' W/150 S&x
5 1/2" 3123' W/175 S&x

Lime & Shale 50
Lime 85
Shale & Shells 115
Lime 221
Shale & Lime Streaks 847
Lime & Shale 1041
Lime 1063
Lime & Shale 1080
Shale 1149
Sand & Shale 1290
Shale 1330
Shale & Lime 1543
Lime 1630
Lime & Shale 2408
Chat & Cherty Lime 2486
Chert & Lime 2565
Lime & Shale 2673
Lime 2712
Shale 2859
Lime 2935
Lime & Shale 3002
Lime 3127
Sand 3128

Tops:
Howard 694
Topeka 754
Oread 1042
Douglas 1149
Lansing 1340
Kansas City 1521
Base Kansas City 1720
Marmaton 1358
Cherokee 1961
Mississippi 2410
Kinderhook 2714
Hunton 2859
Viola 2994
Dolomite 3099
Simpson 3120

Rotary T.D. 3128

TOP CEMENT



STATE OF KANSAS)
) ss.
COUNTY OF SEDGWICK)

The undersigned, TWIN DRILLING, INC., hereby certifies that the above log is a true and correct log of the formations encountered in drilling the above well as reflected by the Daily Drilling Report.

TWIN DRILLING, INC.

By: Alameda Ray

Subscribed and sworn to before me this 9th day of February, 1959.

James L. Nick
Notary Public

My commission expires September 29, 1960.