

WELL LOG

Well: Holaday #4

Operator: Musgrove Petroleum Corp.  
801 Union Center  
Wichita, Kansas

Location: NE/4 SW/4 SW/4  
Section 35-15S-9E  
Morris County, Kansas

Contractor: Twin Drilling, Inc,  
1005 Central Building  
Wichita, Kansas

Commenced: 9-28-59  
Completed: 10-6-59

Casing: 8 5/8" 158' Surface

Surface	55
Lime & Shale Breaks	158
Lime & Shale	1695
Lime	1815
Lime & Shale	2483
Shale & Pyrite	2510
Lime & Chert	2744
Lime - Del. Miss	2788
Shale	2840
Shale & Lime	2988
Lime	3097

T.D. 3097'

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:

Charles W. Day

Subscribed and sworn to before me  
this 13th day of October, 1959.

James H. Glick  
Notary Public

My commission expires  
September 29, 1960.