



HOLTKE WELL NO. 1

Location: Sec-NE-SW of 33-25-4W, Reno County, Kansas

Owner: The Eldorado Refining Company

Commenced: 8-5-44

Contractor: Simpson & Noble, Inc.

Completed: 9-2-44

Casing Record: 8 5/8" @ 384'

Total Depth: 4159

LOG

(Figures indicate bottom of formations)

Red Bed	100	Shale	3612
Sand	214	Shale & Shells	3695
Shale & Shells	650	Chat & Shale	3705
(8 5/8" csg. @ 384)		Chat	3765
Salt	800	Mississippi Lime	3786
Shale	1185	Chat	3835
Sand	1235	Chaty Shale	3860
Sandy Lime	1300	Chat & Shale	3880
Shale & Shells	1640	Lime	3897
Shale & Lime	1741	Mississippi Lime	3921
Shale	1917	Shale	3942
Broken Lime	2190	Mississippi Cherty Shale	3948
Shale & Shells	2336	Shale	3968
Lime	2415	Cherty Sand	3972
Shale & Shells	2567	Sandy Lime	3984
Lime	2860	Mississippi Lime	4005
Broken Lime	2945	Shale	4028
Lime	3226	Shale & Shells	4069
Shale & Shells	3255	Shale	4114
Lime	3263	Broken Lime	4265
(Top Kansas City Lime			4159
3255)			
Kansas City Lime	3347		
Broken Lime	3365		

*L' Correction*

*H.P.M.D.*

The undersigned, J. W. Simpson, President of Simpson & Noble, Inc., hereby certifies that the above log is a true and correct log of the formations encountered in drilling the above noted well as reflected by the daily drilling reports.

*J. W. Simpson*

