



15-163-00160-00-00

NATIONAL ASSOCIATED PETROLEUM COMPANY  
502 Ritz Building  
Tulsa, Oklahoma

Farm: GEORGE J. COLER #1

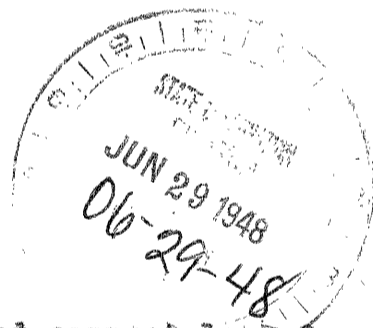
Sec. 21, Twp. 9S, Rge. 17W  
NE NE SW  
Rooks County, Kansas

Commenced : 6/3/1948  
Completed : 6/19/1948  
Total Depth : 3655'

Elevation : 2110'  
Initial Prod : Dry  
Contractor : Brunson Drlg. Co., Inc.  
Tools : Rotary

Casing: 223' - 8-5/8" OD 32# 8 rd thd.

STRATA	DEPTH		
Shale & sand	230		
Shale & shells	1020		
Sand	1040	TOPS - Derrick floor	
Red bed & shale	1830		
Shale & chalk lime	1900		
Lime, shale & iron	1982	Topeka	3036
Shale & shells w/ pyrite	2073	Hebner	3251
Shale & broken lime	2215	Dodge	3274
Broken lime	2475	Lansing	3294
Lime	2580	Marmaton	3532
Shale	2600	Conglomerate shale	3557
Lime	2610	Chirty conglomerate	3564
Lime & shale	2695	Arbuckle	3636
Lime	2705	Total Depth	3653
Shale & lime	3048		
Broken lime	3107		
Lime	3337		
Lime & shale	3377		
Lime	3549		
Shale	3559		
Conglomerate	3610		
Chirty conglomerate	3655		
Total Depth	3655		



I hereby certify that the above is a true and correct log of said well as reflected by the daily drilling reports.

BRUNSON DRILLING COMPANY, Inc.  
By

*Howard D. Brunson*  
Howard D. Brunson Pres.

Signed and sworn to in my presence this 28th day of June, 1948, by Howard D. Brunson, President of the Brunson Drilling Company, Inc. a corporation in the State of Kansas.

*Jean E. Notwiler*  
Notary Public

My commission expires September 10, 1951.

