

KANSAS GEOLOGICAL SOCIETY  
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU  
 KANSAS GEOLOGICAL SOCIETY BUILDING  
 508 EAST MURDOCK - WICHITA, KANSAS

COPY

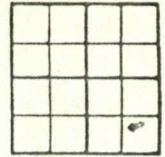
COMPANY THUNDERBIRD DRLG., INC.

SEC. 30 T. 12 R. 20W  
 LOC. NW SE SE

FARM Wiesner NO. 1

TOTAL DEPTH 3870'  
 COMM. 5-8-67 COMP. 5-17-67  
 SHOT DR TREATED  
 CONTRACTOR Sage Drlg. Co., Inc.  
 ISSUED 8-5-67

COUNTY Ellis  
 KANSAS



CASING  
 20 10  
 15 8 5/8 231' w/150 sx cem.'  
 12 6  
 13 5

ELEVATION 2193' KB

PRODUCTION 47 BOPD, NW  
 ARB 3363-70

FIGURES INDICATE BOTTOM OF FORMATIONS

FORMATION	FROM	TO	REMARKS
Yellow Clay & Post Rock	0	45	TOPS: SCOUT SAMPLE
Shale	45	503	Anhydrite 1547
Sand	503	570	Heebner 3434
Shale	570	1046	Toronto 3454
Sand	1046	1252	Lansing Kansas City 3471
Shale	1252	1530	B/Kansas City 3719
Shale & Shells	1530	1549	Marmaton 3768
Anhydrite	1549	1590	Arbuckle 3843
Shale, Shells & Red Bed	1590	2070	
Shale & Lime	2070	2095	
Lime & Shale	2095	2370	
Shale & Lime	2370	2555	
Lime & Shale	2555	3000	
Shale & Lime	3000	3351	
Lime & Shale	3351	3441	
Shale & Lime	3441	3495	
Lime & Shale	3495	3576	
Lime	3576	3581	
Lime & Shale	3581	3640	
Lime	3640	3720	
Lime & Shale	3720	3796	
Lime, Cert & Shale	3796	3850	
Lime	3850	3870	

RTD: 3870'  
 5 1/2" @ 3865' w/75 s

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SAGE DRILLING CO., INC.

By Thomas M. McCaul, Jr.  
 Thomas M. McCaul, Jr.

Subscribed and sworn to before me this 22nd day of May, 1967.

Louise K. Whitted  
 Louise K. Whitted, Notary Public

My commission expires:  
 November 26, 1970.