

4-18s-12w

COMPANY THUNDERBIRD DRILLING

SEC. 4 T. 18 N. 12W
COR. SW SW SE

WELL Wirth NR. 1

TOTAL DEPTH 3343'
DATE 2-8-68
DRILLER OR TREATER
CONTRACTOR Sage Drilling
ISSUED 4-27-68

DATE 2-14-68

FRONT Barton
KANSAS



BARING

20 10
15 5/8" 250' cem w/ 200 sx
12 6
13 5/2" 3334' cem w/ 100 sx

ELEVATION 1803' KB

PRODUCTION P 29 BOPD, NW
Arb 3334-43 Grav 37.5

FIGURES INDICATE BOTTOM OF FORMATIONS

Shale	0	252
Bed & Shale	252	695
Anhydrite	695	718
Shale & Shells	718	1380
Shale & Lime	1380	1810
Lime & Shale	1810	2605
Shale & Lime	2605	2828
Lime & Shale	2828	2953
Shale & Lime	2953	3089
Lime	3089	3341

TOPS: LOG

Hechner	2950	2960
Toronto	2978	
Douglas	2993	
Brown lime	3065	
Lansing	3080	
Base Kansas		
City	3308	
Arbuckle	3327	
RTD	3341	

5/2" @ 3334' w/100sx

DDTD 3343

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 Wayne W. Kahmeyer
Wayne W. Kahmeyer



sworn to before me this 16th day of February, 1968.

Louise K. Whitted
Louise K. Whitted, Notary Public

My commission expires:
November 26, 1970.