

AUG 29 1970

21-14-10W
SW SW NE.

DRILLERS LOG
VOPAT "D" NO. 1

106 BOPD 7/10
LKC

CASING RECORD:

8-5/8" @ 276'
w/175 sax cement

TOTAL DEPTH:
2920'

OPERATOR:

Will P. Ash & Glen Rupe

CONTRACTOR:

Sage Drilling Co., Inc.

COMMENCED:

January 19, 1970

COMPLETED:

January 27, 1970

DESCRIPTION:

SW SW NE
Sec. 21-14S-10W
Ellsworth Co., Kansas

ELEVATION: 1703 KB

FORMATION

FROM

TO

REMARKS

Shale & Hard Sand	0	40	GR. Nav.	2091
Shale	40	125	Jarvis	2161
Soft Sand	125	142	Elmont	2224
Shale & Sand Streaks	142	275	Burdg.	2302
Shale & Sand	275	305	Howard	2373
Shale	305	384	Jafka	2408
Hard Sand	384	397	K. Hill	2541
Red Bed	397	518	Q. Hill	2613
Anhydrite	518	549	Heebner	2699
Red Bed	549	660	Jarvis	2718
Red Bed, Shale, Shells & Salt	660	1180	D. H.	2731
Shale, Lime & Shells	1180	1265	Br. Lime	2793
Shale & Lime	1265	1515	1 1/2" @ 2918' w/250 sax	
Lime & Shale	1515	1807	LKC	2813
Shale & Lime	1807	2408		
Lime & Shale	2408	2920		

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



Subscribed and sworn to before me this 29th day of January, 1970.