

34-20-3W

NOTARIAL SOCIETY
of Murdock
County, Kansas
FEB 8 1969

DRILLERS LOG

NIEHAGE NO. 1

CASING RECORD:	OPERATOR: Armstrong & Jackman	DESCRIPTION:
8-5/8" @ 216'	CONTRACTOR: Sage Drilling Co.	NW SW NW
w/175 sax cement	COMMENCED: October 21, 1968	Sec. 34-20S-3W
TOTAL DEPTH:	COMPLETED: October 28, 1968	McPherson Co., Kansas
3497'		ELEVATION: 1474KB'

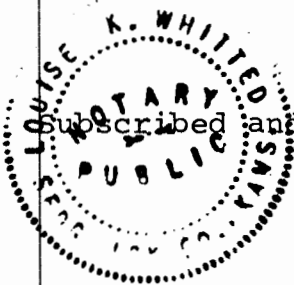
<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Top Soil, Sand & Red Bed	0	218	
Shale	218	379	
Lime & Shale	379	2378	
Lime	2378	2430	
Lime & Shale	2430	2950	
Lime, Shale & Chert	2950	3175	
Shale & Lime	3175	3470	
Lime, Shale & Chert	3470	3497	D&A

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

SAGE DRILLING CO., INC.

T. M. McCaul, Jr.

By _____
T. M. McCaul, Jr.



Subscribed and sworn to before me this 31st day of October, 1968.

Louise K. Whitted
Louise K. Whitted, Notary Public

My commission expires: