

JAN 24 1970

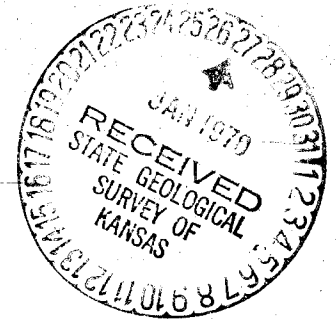
DRILLERS LOG

ALLEN NO. 1

CASING RECORD:	OPERATOR:	Kathol Petroleum, Inc.	DESCRIPTION:
10-3/4" @ 329'	CONTRACTOR:	Sage Drilling Co., Inc.	C NW NW
w/225 sax cement	COMMENCED:	September 26, 1969	Sec. 9-33S-14W
TOTAL DEPTH:	COMPLETED:	October 12, 1969	Barber Co., Kansas
4698'			ELEVATION: 1792 KB

2780 + 810,000 CFGPD

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Red Bed & Rock	0	40	
Shale & Shells	40	250	
Shale, Red Rock & Lime	250	1042	
Lime & Shale	1042	1545	
Shale & Lime	1545	2038	
Lime & Shale	2038	2082	
Lime	2082	2190	
Lime & Shale	2190	3484	
Lime	3484	3748	
Lime & Shale	3748	3966	
Shale	3966	4075	
Shale & Lime	4075	4163	
Lime	4163	4698	

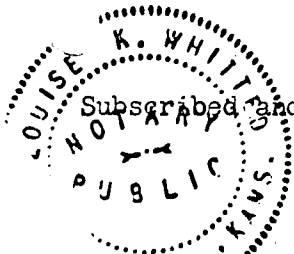


5 1/2" @ 4691' w/125 sax

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 15th day of October, 1969.