

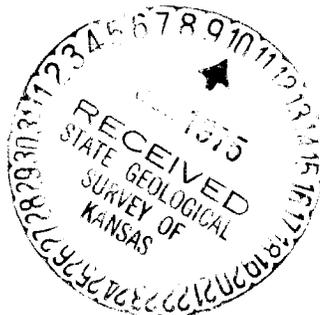
DRILLERS LOG

SANDERS RANCH NO. 1-23

CASING RECORD:	OPERATOR: Imperial Oil Company	DESCRIPTION:
8-5/8" set @ 1483' w/700 sax cement	CONTRACTOR: Sage Drilling Co.	C W/2 SW/4 Sec. 23-32S-29W Meade Co., Kansas
TOTAL DEPTH: 5780'	COMMENCED: October 11, 1974	ELEVATION: 2693KB
	COMPLETED: October 25, 1974	

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand, Clay & Red Bed	0	632	
Red Bed & Sand	632	1265	
Red Bed & Anhydrite	1265	1610	
Red Bed, Anhydrite & Shale	1610	2200	
Shale & Anhydrite	2200	2616	
Lime & Shale	2616	2884	
Dolomite	2884	3225	
Lime & Shale	3225	3420	
Dolomite	3420	3656	
Lime & Shale	3656	5780	5½" set @ 5758' w/150 sax Pozmix

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 T. M. McCaul, Jr.
T. M. McCaul, Jr.



Subscribed and sworn to before me this 30th day of October, 1974.