

4-31-12W
CSE NW

DRILLERS LOG

#1 OLSON 'A'

CASING RECORD: OPERATOR: Kathol Petroleum, Inc. DESCRIPTION:
8-5/8" @ 267' w/ 220 sacks cem. CONTRACTOR: Kathol Petroleum, Inc. 50' E. of C. SE NW
COMMENCED: December 16, 1970 Sec. 4-31S-12W Barber County, Kansas
COMPLETED: December 23, 1970 ELEVATION: 1720' K.B.
TOTAL DEPTH: 3800' I.P. Dry & Abandoned

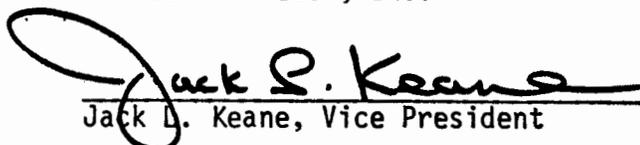
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<u>FORMATION:</u>	<u>FROM:</u>	<u>TO:</u>	<u>REMARKS:</u>
surface hole	0	270	
red bed	270	950	
shale & shells	950	1661	
anhydrite	1661	1673	
shale & lime	1673	1682	
shale & lime	1682	1900	
lime	1900	2112	
lime & shale	2112	2365	
lime & shale	2365	2470	
shale & lime	2470	2745	
lime & shale	2745	2990	
shale & lime	2990	3140	
shale	3140	3195	
lime & shale	3195	3355	
lime & shale	3355	3503	
lime & shale	3503	3657	
lime & shale	3657	3668	
shale & sand	3668	3696	
shale & sand	3696	3765	
shale & sand	3765	3800 R.T.D.	

Log Log
Jarkia 2873
Lofaka 3358
Elgin 3435
Helbner 3600
Douglas SD 3660
Bn L 3792

I hereby certify that the above information is true and correct to the best of my knowledge.

KATHOL PETROLEUM, INC.


Jack L. Keane, Vice President

Subscribed and sworn to before me this 6th day of January, 1971.