

DRILLERS LOG

GOODNIGHT NO. 1-13

CASING RECORD: OPERATOR: Calvin Exploration, Inc. DESCRIPTION:
8-5/8" set @ 1182' CONTRACTOR: Sage Drilling Co., Inc. N/2 NW
w/675 sax cement COMMENCED: October 17, 1979 Sec. 13-34S-26W
Meade County,
Kansas
TOTAL DEPTH: 5900' COMPLETED: October 29, 1979

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Red Bed	0	1650	
hale	1650	2086	
Anhydrite & Dolomite	2086	2343	
Shale	2343	2761	
Dolomite & Shale	2761	2950	
Shale & Lime	2950	3205	
Lime & Shale	3205	5740	Ran DST #1,
Lime & Shale	5740	5900	Logged Hole, D & A.

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

SAGE DRILLING CO., INC.

By John R. Bartholomew
John R. Bartholomew

Subscribed and sworn to before me this 5th day of November, 1979.

Louise K. Whitted
Louise K. Whitted, Notary Public

My commission expires:
November 26, 1982.