

DRILLERS LOG

15-119-20429-0000

BERGHAUS NO. 1

CASING RECORD: OPERATOR: American Petrofina Co. of TX. DESCRIPTION:
 8-5/8" set @ 1562' CONTRACTOR: Sage Drilling Co., Inc. 2310' FNL &
 w/800 sax cement COMMENCED: October 24, 1980 1320' FWL
 TOTAL DEPTH: COMPLETED: November 6, 1980 Sec. 34-31S-29W
 5800' Kansas

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand, Red Bed & Clay	0	1410	
Red Bed & Clay	1410	1566	
Lime & Shale	1566	1800	
Red Bed, Shale & Lime	1800	2200	
Lime & Shale	2200	4087	
Shale & Lime	4087	4410	
Lime & Shale	4410	4640	
Shale & Lime	4640	4785	
Lime & Shale	4785	5211	
Shale & Lime	5211	5298	
Lime & Shale	5298	5600	DST #1 @ 5600'
Lime & Shale	5600	5670	
Shale & Lime	5670	5740	
Lime & Shale	5740	5800	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.

RECEIVED
 NOV 19 1980
 SAGE DRILLING CO., INC.
 By John R. Bartholomew
 John R. Bartholomew

Subscribed and sworn to before me this 12th day of November, 1980.

LOUISE K. WHITTED
 STATE NOTARY PUBLIC
 Sedgwick County, Kansas
 My Appt. Expires 11-26-82

Louise K. Whitted
 Louise K. Whitted, Notary Public