

35-3-19W

DRILLER'S LOGWell Name Grau B-1

Casing Record:

8 5/8" @ 202'
105 Sx cement4 1/2" @ 3422'
275 Sx cementCompany American Petroleum Co., Inc.Contractor Tornado Drilling Co., Inc.Starting Date August 25, 1978Completed Date August 31, 1978

Description:

SW-SE-SW

SEC 35-T3S-R19W

Phillips County, KS

Total Depth 3424Elevation 2060

Formation	From	To	Remarks
Shale	0	585	
Shale w/sand streaks	585	1063	
Sand	1063	1215	
Shale & Red Bed	1215	1429	
Shale	1429	1551	
Anhydrite	1551	1577	
Shale	1577	1800	
Shale & Lime	1800	2495	
Lime & shale	2495	2825	
Shale	2825	2982	
Lime	2982	3424	
T.D.		3424	

I, Stanley R. Phillips, Secretary of Tornado Drilling Co., Inc. certify that this is a true and correct copy of the above log to the best of my knowledge.

Stanley R. Phillips
Stanley R. Phillips

Described and sworn to before me this 6th day of September, 1978.

Exp. Not. Pub. Aug 31, 1981
Notary Public