

P1

13-16-12W
State Geological Survey
WICHITA, KANSAS

BERGMAN DRILLING, INC.

DRILLERS LOG

Re: Holder # 1
Cn/2 NW NE Section 13-16S-12W
Barton County, Kansas

Elevation 1872 KB

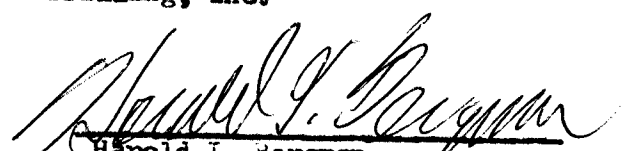
CONTRACTOR Bergman Drilling, Inc.
OPERATOR: Phil McCuckin
COMMENCED: August 22, 1980
COMPLETED: September 4, 1980
TOTAL DEPTH: 3358'

Set 359.22' 8 5/8" w/200 sx

0	10	Post Rock
10	250	Rock Post - Clay Shale & Sand
250	366	Post Rock
366	675	Shale & Red Bed
675	935	Shale
707	736	Anhydrite
935	1206	Red Bed Shale
1206	1605	Shale
1605	1815	Shale - Broken Lime
1815	2063	Shale & Lime
2063	2775	Lime & Shale
2775	2800	Shale & Lime
2800	2870	Shale & Lime
2870	2990	Shale & Lime
2990	3095	Lime & Shale
3095		Test KC
3095	3103	Shale 7 lime
3103		KC
3103	3209	Lime & Shale
3209	3350	K.C. Lime - Arb
3350	3358	Lime & Shale - Abb.
3358		RTD.

Ran 4 1/2" Set @ 3357 w/250 sx.

We certify that the above and foregoing to be true and correct copy of the drillers log on the # 1 Holder, located in Barton County, Kansas as revealed by the records of Bergman Drilling, Inc.


Harold I. Bergman