

Re: Brown # 3

SE SW Sec. 15-15S-11W

Russell County, Kansas

OPERATOR: Bergman Oil Company

Elevation 1671GR.

CONTRACTOR: Bergman Drilling, Inc.

COMMENCED: November 27, 1976

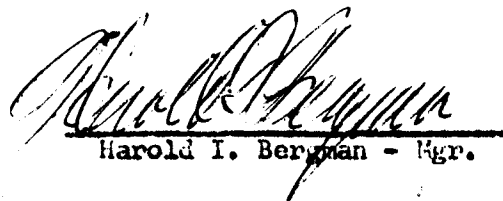
COMPLETED: December 10, 1976

TOTAL DEPTH: 3230' Run 245' 8 5/8" w/175 sx.

0	260	Surface
260	328	Shale
328	547	Shale - Shells Red Bed
547	568	Anhydrite
568	1360	Red Bed - Shale
1360	1418	Lime & Shale
1418	1499	Lime - Shale
1499	1705	Shale - Lime - Broken Lime
1705	2530	Shale Lime
2530	2663	Lime
2663	2840	Lime
2840	2854	K. C. Lime
2854	2920	K. C. Lime
2920	2965	Lime
2965	3022	K. C. Lime
3022	3174	Lime
3174	3200	Lime
3200	3228	Arbuckle
3228	3230	Total Depth

Set " 1/2" @ 3229'

We certify that the above and foregoing to be true and correct copy of the drillers log on the # 3 Brown, located in Russell County, Kansas, as revealed by the records of Bergman Drilling, Inc.


 Harold I. Bergman - Mgr.

Subscribed and sworn to before me this 13th day of December 1976.