

7-1-33W

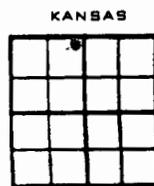
KANSAS GEOLOGICAL SOCIETY
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU
 KANSAS GEOLOGICAL SOCIETY BUILDING
 508 EAST MURDOCK - WICHITA, KANSAS

COMPANY **EMPIRE DRILLING**
 FARM **Graves** NO. **1**

SEC. **7** T. **1** R. **33W**
 LOG. **NE NE NW**
440' FNL & 440' FEL NW

TOTAL DEPTH **4472'**
 COMM. **7-12-68** COMP. **7-25-68**
 SHOT OR TREATED
 CONTRACTOR **Leben Drilling**
 ISSUED **9-28-68**

COUNTY **Rawlins**



CASING
 20 10
 15 8 5/8" 237' cem w/ 225 sx
 12 6
 13 5 1/2" 4178' cem w/ 125 sx

ELEVATION **2976' KB**

PRODUCTION **P 132 BOPD NW**
LKC 4057-63 & 4098-4104

FIGURES INDICATE BOTTOM OF FORMATIONS

0	195	Clay, Sand
195	1044	Shale
1044	2815	Shale, Sand
2815	3045	Anhydrite
3045	3466	Shale, Lime
3466	3615	Lime, Shale
3615	4460	Lime
4460	4470	Cherty Lime, Granite
	<u>4470</u>	<u>Set @ 5 1/2"</u>
	4472	LTD

8 5/8" used casing 231.90 set @ 237' Cemented with 225 sacks of Common 2% cc

I, Leslie Kite, do hereby certify that the above and foregoing is a true and correct copy of the log of the Graves #1 Well, located NE NE NW of Section 7, Township 1 South, Range 33 West, Rawlins County, Kansas, as reflected by the records of Leben Drilling, Inc.

Leslie Kite
 Leslie Kite

TOPS: LOG	
Anhydrite	2808
Base Anhydrite	2849
Topeka	3656
Deer Creek	3700
Oread	3771
Base Leavenworth	3818
Douglas sand	3824
Lansing	3860
Base Kansas City	4117
Cherokee	4291
Cherokee sand	4364
Granite	4470
LTD	4472
RTD	4472