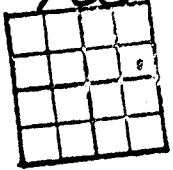


OCT 29 1971

1-15-27W


WELL LOG

CHIEF DRILLING CO., INC.
Suite 905 Century Plaza
Wichita, Kansas 67202

#1 V CHENEY
C SE NE Sec. 1-15-27W
Gove County, Kansas

CONTRACTOR: Company Tools
CASING RECORD: Set 264' of 8 5/8"
w/180 sacks common quick set
cement

COMMENCED: 8/18/71
COMPLETED: 8/29/71

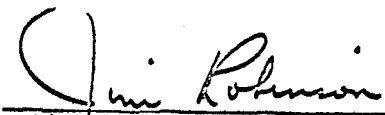
77 BopD N1W

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>ELEVATION</u>
Shale & clay & sand	0	273	2329 Gr.
Sand & shale	273	1756	2331 D.F.
Anhydrite	1756	1799	2334 K.B.
Sand & shale	1799	2070	<u>FORMATION TOPS</u>
Shale & lime	2070	3630	Anhydrite 1756 + 578
Lime	3630	4110	Base Anhy. 1799 + 535
Lime & quartzic sand	4110	4145	Heebner 3527 - 1193
Lime	4145	4181	Toronto 3546 - 1212
Mississippi	4181	4145	Lansing 3566 - 1232
Total depth	4214		Base K.C. 3855 - 1521
			Pawnee 3998 - 1664
			Ft Scott 4057 - 1723
			Cherokee
			Shale 4084 - 1750
			Cherokee
			Sand 4110 - 2334
			Mississippi 4164 - 1830
			T. D. 4214 - 1880

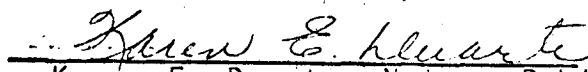
STATE OF KANSAS, COUNTY OF SEDGWICK) ss:

I hereby certify that the above is a true and correct copy of the Driller's Log of the well drilled in the C SE NE of Section 1-15-27W, Gove County, Kansas, to the best of my knowledge and belief.

CHIEF DRILLING CO., INC.


Jim Robinson, Vice President

Subscribed and sworn to before me this 1st day of September, 1971


Karen E. Duarte, Notary Public



MY COMMISSION EXPIRES:
February 16, 1974