

15 16 17W
SW NE NE

FEB 7 1970

DRILLERS LOG

No. 5 Burgardt "A"

CASING RECORD:	COMPANY:	Frontier Oil Company	DESCRIPTION:
8 5/8" @ 1149'	CONTRACTOR:	Red Tiger Drilling Company	SW NE NE
w/450 ex cement	COMMENCED:	12/13/69	15-16S-17W
5 1/2" @ 3570'	COMPLETED:	12/28/69	Rush County, Kansas
w/200 ex cement			
TOTAL DEPTH: 3573'			Elevation: 2001 DF 2004 RB

109 BOPD

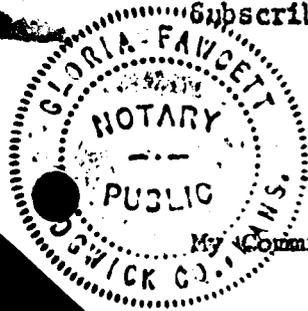
<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay, Sand, Shale	0	527	
Sand	527	690	Anhydrite 1142
Shale	690	1142	
Anhydrite	1142	1185	
Shale	1185	1750	Arbuckle 356
Shale & Lime	1750	1915	
Shale	1915	2000	
Lime & Shale	2000	2230	
Lime	2230	2330	
Lime & Shale	2330	3042	
Lime	3042	3573	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

FRONTIER OIL COMPANY

Norman E. Klein
Norman E. Klein

Subscribed and sworn to before me this 31st day of December, 1969



Gloria Fawcett
Notary Public

My Commission Expires:
10/23/72