GEOLOGICAL SOCIETY
508 East Murdock
Wichita, Kansas

FEB 7 1970

15-16-17W
SE NE NE

DRILLERS LOG

No. 4 Burgardt "A"

CASING RECORD:

8 5/8" @ 1142'
w/450 sx cement

4 1/2" @ 3604'
w/250 sx cement

TOTAL DEPTH: 3605'

COMPANY: Frontier Oil Company

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: October 28, 1969

COMPLETED: November 7, 1969

DESCRIPTION:

SE NE NE
15-16S-17W
Rush County,
Kansas

ELEVATION: 2036 DF
2039 RB

15,900,000 CFGPD

FORMATION	FROM	TO	REMARKS
Clay, Sand, Shale	0	490	
Shale	490	530	anhydrite 1132
Sand	530	778	Arbuckle 3585
Shale	778	1132	
Anhydrite	1132	1175	
Shale	1175	1980	
Shale & Lime	1980	2140	
Lime	2140	2275	
Lime & Shale	2275	3030	
Lime	3030	3520	
Lime & Conglomerate	3520	3560	
Lime	3560	3605	

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 13th day of November, 1969.

GLORIA FAWCETT
NOTARY
PUBLIC
KANSAS

Gloria Fawcett
Notary Public

My Commission Expires:
10/25/72