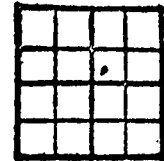


5 GEOLOGICAL SOCIETY
508 East Murdock
Wichita, Kansas

JUL 3 1971

10-4-19W
SW SW NE
10-4-19W



DRILLERS LOG

No. 5 Flanigan

CASING RECORD:

8 5/8" @ 208'
w/150 sx cement

4 1/2" @ 3396'
w/250 sx cement

TOTAL DEPTH: 3385'

COMPANY: Petroleum Management, Inc.

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: October 19, 1970

COMPLETED: October 25, 1970

DESCRIPTION:

Apx. SW SW NE
10-4S-19W

Phillips County,
Kansas

ELEVATION: 1977'KB

P-40 BOPD & 12% Wtr./LKC

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale	0	550	
Sand	550	955	
Hard Sand, Sand & Shale	955	1175	
Red Bed, Shale	1175	1265	
Shale	1265	1461	SAMPLE TOPS:
Anhydrite	1461	1490	Heebner 3095
Shale	1490	1770	Lansing 3135
Shale & Lime	1770	2405	BKC 3353
Lime	2405	2413	
Lime & Shale	2413	2900	
Lime	2900	3385	

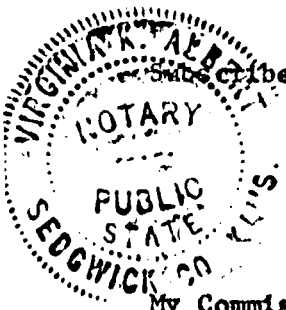
DST # 1 3150-80

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

RED TIGER DRILLING COMPANY

Jim Farrice
Jim Farrice

Subscribed and sworn to before me this 28 day of October, 1970.



Virginia K. Albert
Notary Public

My Commission Expires:

July 23, 1974