

KANSAS DRILLERS LOG

WICHITA BRANCH

S. 10 T. 4 R. 19 ^K_W
Loc. 50'S 150'W of NE NW SE
County Phillips

API No. 15 — 147 — 20,308
County Number

Operator
PETROLEUM MANAGEMENT, INC.

Address
400 N. Woodlawn, Suite 201 Wichita, KS 67208

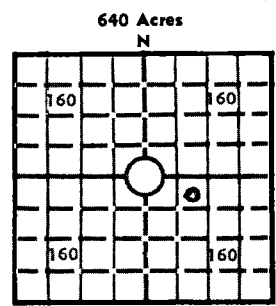
Well No. #8 Lease Name Flanigan

Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Red Tiger Drilling Co. Geologist W.C. Peterson

Spud Date 1/30/81 Total Depth 3430' P.B.T.D.

Date Completed 2/4/81 Oil Purchaser The Permian Corporation



Elev.: Gr. 1957'
DF 1960' KB 1962'

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface Casing	12 1/4"	8 5/8"	28#	239'	Common	150	2% gel, 3% cc
Prod. Casing	7 7/8"	4 1/2"	10.5#	3428'	Hal-lite Common	35 125	2% cc
					HLC	35	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					3201-11'; 3225-28'
					3243-46'; 3250-54'
					3265-69'; 3321-25'
					3339-44'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3030'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2500 gal. MCA acid	3201-11'; 3250-54';
	3265-69'; 3321-25';
	3339-44'

INITIAL PRODUCTION

Date of first production 4/25/81	Producing method (flowing, pumping, gas lift, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 7.95 bbls. Gas MCF 60.28 bbls. Water Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s) 3201 - 3344

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Petroleum Management, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil

Well No. #8 Lease Name Flanigan

S 10 T 4 R 19 K W

WELL LOG


Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Surface Clay & Shale	0'	245'	Anhydrite	1471 + 491
Shale & Sand	245'	942'	Base Anhydrite	1502 + 460
Hard Sand	942'	956'	Wreford	2205 - 243
Shale & Red Bed	956'	1038'	Neva	2418 - 456
Sand	1038'	1191'	Topeka	2918 - 956
Red Bed	1191'	1472'	Heebner	3121 -1159
Anhydrite	1472'	1502'	Toronto	3146 -1184
Red Bed & Shale	1502'	1710'	Lansing KsCty	3166 -1204
Shale	1710'	1935'	Base Ks City	3384 -1461
Lime & Shale	1935'	2345'	RTD	3430 -1468
Shale & Lime	2345'	2524'		
Lime & Shale	2524'	2789'		
Lime	2789'	3430'		
RTD		3430'		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received _____


 Signature
 Vice President
 Title
 8-13-81
 Date

10-4-19W

DRILLERS LOG

John G. ...

No. 8 Flanigan

CASING RECORD: COMPANY: Petroleum Management, Inc. DESCRIPTION:
 8 5/8" @ 239' CONTRACTOR: Red Tiger Drilling Company 50' S & 150' W of NE/4 NW/4
 w/150 sx cement COMMENCED: January 30, 1981 SE/4
 4 1/2" @ 3,428' COMPLETED: February 4, 1981 Sec. 10-T4S-R19W
 w/195 sx cement Phillips County, Kansas
 TOTAL DEPTH: 3,430' ELEVATION: 1,957' GR

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Surface Clay & Shale	0	245	
Shale & Sand	245	942	
Hard Sand	942	956	
Shale & Red Bed	956	1038	
Sand	1038	1191	
Red Bed	1191	1472	
Anhydrite	1472	1502	
Red Bed & Shale	1502	1710	
Shale	1710	1935	
Lime & Shale	1935	2345	
Shale & Lime	2345	2524	
Lime & Shale	2524	2789	
Lime	2789	3430	
RTD		3430	

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

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 16th day of February, 1981.

Joyce A. Baer
Notary Public

