

# KANSAS DRILLERS LOG

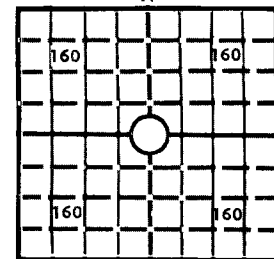
API No. 15 — 027 — 20,005 State Geological Survey  
 County Number WICHITA, BRANCH

S. 23 T. 10S R. 3 E

Loc. NW SW NW

County Clay

640 Acres  
N



Locate well correctly

Elev.: Gr. 1300'

DF 1302' KB 1305'

Operator PETROLEUM MANAGEMENT, INC.	
Address 400 N. Woodlawn, Suite 201, Wichita, Kansas 67208	
Well No. 2	Lease Name Thurlow
Footage Location 990 feet from (N) (S) line 330 feet from (E) (W) line	
Principal Contractor Red Tiger Drilling Company	Geologist William H. Petersen
Spud Date June 3, 1974	Total Depth 2202'
	P.B.T.D. --
Date Completed July 11, 1974	Oil Purchaser

## 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 Csg.	12-1/4	8-5/8	28#	224.00	Common	150	2% gel 3% Calcium Chlor
Production Csg.	7-7/8	4-1/2	9-1/2#	2192.00	Pozmix	75	50/50

## LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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## PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	D. P. Jets	2082-92'

## TUBING RECORD

Size	Setting depth	Packer set at
2-3/8	2157.5'	

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal MCA	2082-92'
20,000 gal 20/40 mesh, 25 sx 1-/20 mesh	2082-92'
10,000 gal FF, 30,000# sand	2082-92'

## INITIAL PRODUCTION

Date of first production September 21, 1974	Producing method (flowing, pumping, gas lift, etc.) Pumping (Had been shut down awaiting Salt Water Disposal)
RATE OF PRODUCTION PER 24 HOURS	Oil 12 bbls. Gas -- MCF Water 88 bbls. Gas-oil ratio -- CFPB

Disposition of gas (vented, used on lease or sold)

Producing interval (s)

2082-92'

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.:

Well No.

2

Lease Name

Thurlow

OIL

S 23 T10S R 3 E  
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
Rock, Clay & Shale	0	100	Shawnee	1180'
Shale & Lime	100	225	Heebner	1427'
Lime & Shale	225	375	Toronto	1443'
Shale	375	620	Douglas	1457'
Lime & Shale	620	920	Brown Lime	1544'
Shale & Lime	920	1200	Lansing	1561'
Lime & Shale	1200	1625	Base K.C.	1921'
Lime	1625	2100	Burgess	2071'
Mississippi	2100	2120	Ero. Miss.	2078'
Mississippi, Chert	2120	2138	Gilmore City	2121'
Mississippi	2138	2202	Sedalia	2166'
			Kinderhook	
			Shale	2178'
			Rotary Total	
			Depth	2202'

DST #1 2084-2105'

Op 45 SI 45 Op 30 SI 45

Weak blow throughout first flow period, very weak blow for 10 min. of second period.

Recovered 65' of SOCM. IFP 30-40 FFP 40 ISIP 701 FSIP 681

DST #2 2105-2125'

Op 30 SI 30 Op 15 SI 30

Weak blow for 20 min., recovered 40' of mud with spots of oil. IFP 20 FFP 30 ISIP 571  
FSIP 571

DST #3 2125-2138'

Op 45 SI 45 Op 45 SI 45

Weak blow throughout the test, recovered 5' of clean oil, 124' of OCWM, 180' of muddy  
water with a scum of oil, 120' muddy water. IFP 10-120 FFP 140-210 ISIP 701 FSIP 701

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



*Vala L. Smith*  
Signature

Vice President - Petroleum Management, Inc.

Title

October 14, 1974

Date

CASING RECORD:

1/8" @ 222.34'  
w/ 150 sx cmt

4-1/2" @ 2192'  
w/ 75 sx cmt

TOTAL DEPTH: 2202'

COMPANY: Petroleum Management, Inc.

CONTRACTOR: Red Tiger Drilling Co.

COMMENCED: June 3, 1974

COMPLETED: June 9, 1974

DESCRIPTION:

NW SW NW  
23-10S-3E  
Clay County, Kansas

ELEVATION:

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Rock, Clay & Shale	0	100	
Shale & Lime	100	225	
Lime & Shale	225	375	
Shale	375	620	
Lime & Shale	620	920	
Shale & Lime	920	1200	
Lime & Shale	1200	1625	
Lime	1625	2100	
Mississippi	2100	2120	
Mississippi, Chert	2120	2138	
Mississippi	2138	2202	

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

RED TIGER DRILLING COMPANY

Linda H. Dickens  
Linda H. Dickens

Subscribed and sworn to before me this 12th day of June, 1974.

D'Ann R. Rannan  
Notary Public

My Commission Expires:

December 28, 1977