

State Geological Survey

WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 23 T. 10S R. 3 E W

API No. 15 — 027 — 20,006
County Number

Loc. NW NW NW

County Clay

Operator
PETROLEUM MANAGEMENT, INC.

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

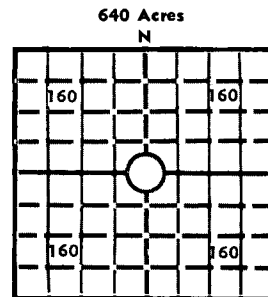
Well No. 3 Lease Name Thurlow

Footage Location
330 feet from (N) ~~X~~ line 330 feet from ~~X~~ (W) line

Principal Contractor Red Tiger Drilling Company Geologist William H. Petersen

Spud Date June 11, 1974 Total Depth 2145' P.B.T.D. --

Date Completed July 7, 1974 Oil Purchaser



Locate well correctly
 Elev.: Gr. 1254'

DF 1256' KB 1259'

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	24#	215	Common	170	2% gel 2% Calcium Chlor.
Production Csg.	7-7/8	4-1/2	9-1/2#	2143	Pozmix	75	--

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	D. P. Jets	2044-2054'

Size	Setting depth	Packer set at
2-3/8"	2113'	--

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal MCA	2044-2054'
125 sx 20/40 mesh & 25 sx 10/20 mesh	2044-2054'

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 <u>21</u> bbls.	Gas <u>--</u> MCF	Water <u>79</u> bbls.	Gas-oil ratio <u>--</u>	CFPB
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Disposition of gas (vented, used on lease or sold) Producing interval (s) 2044-2054'

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.
3

Lease Name
Thurlow

S 23 T 10 S 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	0	43	Neva	450'
Rock & Lime	43	218	Red Eagle	504'
Lime & Shale	218	1205	Stotler	788'
Shale & Lime	1205	1660	Tarkio	876'
Lime	1660	2115	Howard	1079'
Mississippi	2115	2145	Topeka	1130'
			Heebner	1376'
			Toronto	1392'
			Douglas	1406'
			Brown Lime	1496'
			Lansing	1511'
			Base K.C.	1869'
			Mississippian	2035'
			Gilmore City	2060'
			Sedalia	2110'
			Kinderhook	
			Shale	2119'
			Rotary Total	
			Depth	2145'

DST #1 2035-2050'

Op 30 SI 30 Op 15 SI 30

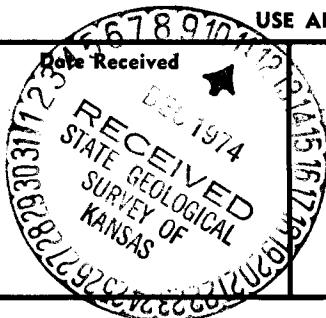
Weak blow for 25 min., recovered 40' oil specked mud. Good show of oil in top of tool.
IFP 20 FFP 20 ISIP 634 FSIP 625

DST #2 2057-2069'

Op 30 SI 30 Op 30 SI 30

Weak blow 10 min., recovered 10' of slightly oil specked mud. IFP 20 FFP 20 ISIP 525
FSIP 495

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



John L. Smith

Signature

Vice President - Petroleum Management, Inc.

Title

October 14, 1974

Date

DRILLERS LOG

No. 3 Thurlow

23-10-3E
15-027-20, 006

LOG RECORD:

COMPANY: Petroleum Management, Inc.

DESCRIPTION:

3-5/8" @ 215.31'
w/170 sx. cmt.

CONTRACTOR: Red Tiger Drilling Co.

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

4-1/2" @ 2143'
w/75 sx. cmt.

COMMENCED: June 10, 1974

COMPLETED: June 15, 1974

TOTAL DEPTH: 2145'

ELEVATION: 1259 KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Rock	0	43	
Rock & Lime	43	218	
Lime & Shale	218	1205	
Shale & Lime	1205	1660	
Lime	1660	2115	
Mississippi	2115	2145	



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 20th day of June, 1974.

D. Anne D. Cannon
Notary Public

My Commission Expires:

December 28, 1977