

Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 141 — 20,024
County Number

Operator

Petroleum Management, Inc.

Address 400 North Woodlawn, Suite 201 Wichita, Kansas

Well No.

#1

Lease Name

Bliss

Footage Location

990

feet from (N) ~~NE~~ line

1820

feet from ~~NE~~ (W) line

Principal Contractor

Red Tiger Drilling Company

Geologist

William H. Petersen

Spud Date

8-18-74

Total Depth

3086'

P.B.T.D.

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Date Completed

9-04-74

Oil Purchaser

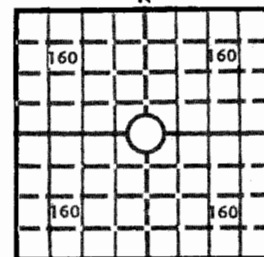
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S. 23 T. 8 R. 14 ~~W~~

Loc. SW NE NW

County Osborne

640 Acres
N



Locate well correctly

1834'

Elev.: Gr.

DF 1836'

KB 1839'

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#	217.00	Common	160	3% Calcium Chlor.
Production Csg.	7-7/8	4-1/2	9-1/2#	2875.00	S.S. Pozmix	150	18% Salt 2% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	D. P. Jets	2780-84'
			2	D. P. Jets	2507-11'
			2	D. P. Jets	2524-28'

TUBING RECORD

Size	Setting depth	Packer set at	Shots per ft.	Size & type	Depth interval
2-3/8"	2833'	--	2	D. P. Jets	2507-11'
			2	D. P. Jets	2524-28'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. MCA, 2000 gal. 15% Non E Acid	2780-84'
250 gal. MCA	2507-11'
75 sx Pozmix	2507-11' 2524-28'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
10-05-74		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	14	--	86	--	
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
			2780-84'		

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. 1	Lease Name BLISS	
S <u>23</u> T <u>8S</u> R <u>14</u> <u>K</u> 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
Clay, Post Rock & Shale	0	220	Anhydrite	1036'
Shale	220	330	Base Anhydrite	1063'
Shale & Shells	330	845	Base Florence	1913'
Shale	845	1038	Wieford	1967'
Anhydrite	1038	1066	Neva	2147'
Shale & Shells	1066	1310	Red Eagle	2236'
Shale & Lime Streaks	1310	1610	Wabaunsee	2463'
Shale & Lime	1610	1888	Root	2504'
Lime & Shale	1888	2010	Sand	2506'
Lime	2010	2285	Sand	2521'
Lime & Shale	2285	2545	Stotler	2540'
Lime, Shale and Sand	2545	2590	Tarkio Sand	2569'
Lime & Shale	2590	2725	Tarkio Lime	2592'
Lime	2725	3086	Howard	2660'
			Severy	2684'
			Topeka	2748'
			Deer Creek	2802'

DST #1 2502-2545'

Op 15 SI 15 Op 30 SI 30

Weak blow, died in 5 min. of first open period. Weak blow throughout second period.

Recovered 50' drilling mud. IBHP 590# FBHP 771# IFP 27# IFPP 27# FIFP 27# FFP 41#

DST #2 2556-2590'

Op 45 SI 45 Op 45 SI 45

Weak blow throughout the test. Recovered 120' muddy water, 200' watery mud.

IBHP 904# FBHP 877# IFP 37# IFPP 111# FIFP 111# FFP 157#

DST #3 2771-2800'

Op 45 SI 45 Op 45 SI 45

Weak blow throughout test. Recovered 10' clean oil, 60' heavily mud cut oil 40' heavily oil cut mud. IBHP 799# FBHP 626# IFP 18# IFPP 36# FIFP 36# FFP 55#

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

RECEIVED DECEMBER 17 1974 SURVEY LOGS DIVISION OF GEOLOGICAL SURVEYS Date Received	 Signature Vice President - Petroleum Management, Inc. Title 12/12/74 Date
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DRILLERS LOG

No. 1 Bliss

23-8-14W
15-141-20,024

CASING RECORD:

8-5/8" @ 217'
w/160 sx. cmt.4-1/2" @ 2875'
w/150 sx. cmt.

COMPANY: Petroleum Management, Inc.

CONTRACTOR: Red Tiger Drilling Co.

COMMENCED: August 18, 1974

COMPLETED: August 25, 1974

DESCRIPTION:

SW NE NW
23-8S-14W
Osborne County,
Kansas

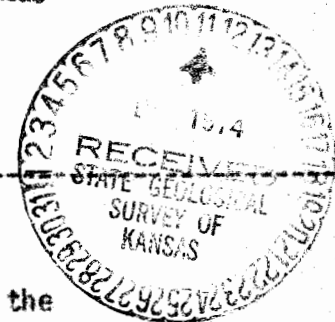
TOTAL DEPTH: 3086'

ELEVATION: 1839' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay, Post Rock & Shale	0	220	
Shale	220	330	
Shale & Shells	330	845	
Shale	845	1038	
Anhydrite	1038	1066	
Shale & Shells	1066	1310	
Shale & Lime Streaks	1310	1610	
Shale & Lime	1610	1888	
Lime & Shale	1888	2010	
Lime	2010	2285	
Lime & Shale	2285	2545	
Lime, Shale & Sand	2545	2590	
Lime & Shale	2590	2725	
Lime	2725	3086	

RECEIVED
STATE CORPORATION COMMISSION

OCT 11 1974

CONSERVATION DIVISION
Wichita, Kansas

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 29th day of August, 1974.

D. Ann Drennan
Notary Public