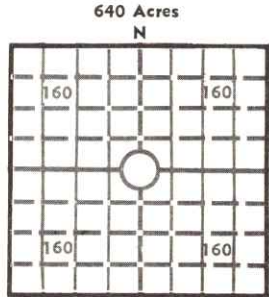


State Geological Survey
KANSAS DRILLERS LOG, BRANCH

API No. 15 — 135 — 21162
 County Number

S. 20 T. 16S R25 ^{XX}W
 Loc. 150' SE of C. SW NW
 County Ness



Locate well correctly
 Elev.: Gr. 2589
 DF 2591 KB 2589

Operator
Petroleum, Inc.

Address
800 R.H. Garvey Bldg., 300 W. Douglas, Wichita, Ks. 67202

Well No. 4 Lease Name Michaelis 'B'

Footage Location
2086 feet from (N) ~~XXX~~ line 1874 feet from (E) ~~XXX~~ line

Principal Contractor DNB Drlg. Geologist Chas. Schmaltz

Spud Date 2-13-76 Total Depth 4573' P.B.T.D.

Date Completed 2-23-76 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	12 1/4"	8 5/8"	20#	338.59	Common	200	2% cc., 2% gel.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production _____ Producing method (flowing, pumping, gas lift, etc.) _____

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold) _____ Producing interval(s) _____

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, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Well No. 4 Lease Name McMichaelis 'B' Dry

S 20 T 16S R 25 ^{XX}
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
DST #1 4407-48 Weak blow for 15", flushed tool, weak blow for 2". Open 30, Shut in 45", IF 53#, FF 61#, FSIP 744#, Temp. 120°. Rec. 15' mud.			Anh. 1971 B/Anh. 2005 Hbn. 3866 Lans. 3908	(+623) (+589) (-1272) (-1314)
DST #2 4495-4527 Weak blow, died in 18", flushed tool, died in 2 min. Shut in at end of 30". Rec. 2' mud. FP 41-41#, BHP 72#.			B/KC 4222 Marm. 4264 Pawn. 4344 Ft.Sc. 4420 Cke. 4445	(-1628) (-1670) (-1750) (-1826) (-1851)
DST #3 4500-4537 Packer failure.			Miss. 4517 LTD. 4573	(-1923) (-1979)
DST #4 4521-37 30-60-30-60 Weak steady blow, rec. 15' mud w/sl. oil stain. IFP 61-61#, FFP 61-51#, BHP 1014-654#.				
DST #5 Misrun.				
DST #6 30-60-30-60 Weak steady blow. Rec. 20' wtry mud. IFP 41-51#, FF 61-61#, BHP 1204-1054#.				
DST #7 30-30-15-30 Weak blow, died in 28". Rec. 10' wtry mud w/sl. show of oil. IF 51-51#, FF 61-61#, BHP 944-894#.				

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



Jamish Morris
Signature

Vice President
Title

3-16-76
Date