

CONFIDENTIAL

State Geological Survey

WICHITA BRANCH

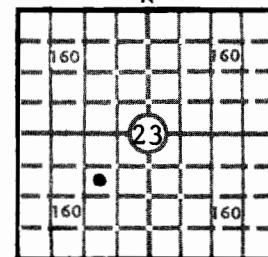
KANSAS DRILLERS LOG

S. 23 T. 13 R. 18W E W

Loc. C SW NE SW

County Ellis

640 Acres



Elev.: Gr. 2080'

DF 2082 KB 2085

API No. 15 — 051 — 21270
County Number

Operator

Graham-Michaelis Corporation

Address

P. O. Box 247 Wichita, Kansas 67201

Well No.

#1-23

Lease Name

Witt

Footage Location

990 feet from (N) line 990 feet from (E) line

Principal Contractor

Red Tiger Drilling Co.

Geologist

Alfred W. Stude

Spud Date

July 22, 1977

Total Depth

3641'

P.B.T.D.

Date Completed

August 31, 1977

Oil Purchaser

Koch Oil Co.

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
To protect fresh water	12 1/4"	8 5/8"	23#	612'	Pozmix 50/50 Common	200 125	2% gel, 3% cc 2% gel, 3% cc
Production		4 1/2"	9.5#	3633'	Class "A"	150	2% gel, 10% salt, 1/2 of 1% SR2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
None		

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		3502-3506'
			4		3253-3258

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3528'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gals acid	3502-3506

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
Aug. 25, 1977		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	54 bbls/day	bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			3502-3506		

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 GRAHAM-MICHAELIS CORPORATION		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1-23	Lease Name WITT	OIL WELL	
S <u>23</u> T <u>13S</u> R <u>18</u> ^E _W C SW NE SW; Ellis County, Kansas			
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			
Shale & Sand	0	724	DRESSER ATLAS LOG
Clay, Shale & Sand	724	1335	Laterolog
Anhydrite	1335	1381	Acoustilog
Shale & Shells	1381	1690	
Shale & Lime	1690	1936	
Lime	1936	2110	
Lime & Shale	2110	2280	
Shale & Lime	2280	2312	
Lime	2312	2980	
Lime & Shale	2980	3246	
Lime	3246	3380	
Lime & Shale	3380	3405	
Lime	3405	3637	
R.T.D.		3637	
<u>DRILL STEM TEST #1 - 3243-3305</u> Open: 30", S.I. 45", open 60", S.I. 90" Recovered: 390' gas in pipe 150' very heavy oil & gas cut mud IFP: 63-84# FFP: 95-105# ISIP: 1097# FSIP: 1118#		<u>DRILL STEM TEST #4 - 3426-3480</u> Open: 30", S.I. 45", open 60", S.I. 90" Rec.: 450' gas in pipe 60' oil and gas cut mud 60' heavy oil & gas cut mud 300' muddy oil 60' slightly water cut oil 60' oil cut water 240' water IFP: 21-222# FFP: 105-169# ISIP: 1160# FSIP: 1160#	
<u>DRILL STEM TEST #2 - 3319-3380'</u> Open: 30", S.I. 45", open 60", S.I. 90" Recovered: 252' gas in pipe 63' oil cut mud IFP: 53-63# FFP: 74-84# ISIP: 306# FSIP: 686#		<u>DRILL STEM TEST #5 - 3485-3505</u> Open: 30", S.I. 45", open 60", 90" Rec: 2610' gas in pipe 150' free oil 240' mud cut oil IFP: 42-84, FFP: 105-169 ISIP: 1160#, FSIP: 1160#	
<u>DRILL STEM TEST #3 - 3384-3405'</u> Open: 30", S.I. 30", open 30", S.I. 30" Recovered: 30' slightly oil cut mud IFP: 32-42# FFP: 42-42# ISIP: 696# FSIP: 95#		<u>DRILL STEM TEST #6 - 3512-3550'</u> Open: 30", S.I. 30", open 30", S.I. 30" Rec. 10' oil specked mud. IFP 42-42# FFP: 42-42#, ISIP 53#, FSIP: 42#	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature		
	Geological Secretary Title		
	November 11, 1977 Date		

GRAHAM-MICHAELIS CORPORATION

WITT #1-23

Sec. 23-13S-18W

Ellis County, Kansas

23-13S-18W

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DRILL STEM TEST #7 - 3595-3633'

Open 30", S.I. 30", open 30", S.I. 30"

Recovered: 5' mud

IFP: 42-42#

FFP: 42-42#

ISIP: 53#

FSIP: 42#

DRILL STEM TEST #8 - 3617-3637'

Open: 30", S.I. 45", open 60", S.I. 90"

Recovered: 30' mud

60' oil specked mud

IFP: 63-63#

FFP: 74-74#

ISIP: 443#

FSIP: 464#