

KANSAS DRILLERS LOG

API No. 15 — 141 — 20,039
County Number

Operator

Graham-Michaelis Corp.

Address Box 247 Wichita, Kansas 67201

Well No.

#3-19

Lease Name

Locke

Footage Location

1980 feet from (N) (S) line 990 feet from (E) (W) line

Principal Contractor

Red Tiger Drllg.Co.

Geologist

Harvey Gough

Spud Date

May 31, 1978

Total Depth

3640

P.B.T.D.

Date Completed

June 15, 1978

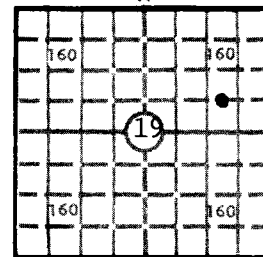
Oil Purchaser

Koch Oil Company

S. 19 T. 10 R. 15 E

Loc. C W2 SE NE

County Osborne

640 Acres
N

Locate well correctly

Elev.: Gr. 2028

DF 2031 KB 2053

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 supply	12 $\frac{1}{4}$ "	8 5/8"	23#	253'	common	175	2% gel 2% cal chl
Production		4 1/2"	10.5#	3639'		175	10% salt

LINER RECORD**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					
TUBING RECORD			2		3583-3585'
Size	Setting depth	Packer set at			
None					

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
None	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
	State Test - Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	67 bbls.	MCF	-0- bbls.		
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.

INFORMATION TO BE HELD CONFIDENTIAL FOR 1 YEAR

Operator GRAHAM-MICHAELIS CORPORATION		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 3-19	Lease Name LOCKE	OIL	
S <u>19</u> T <u>10</u> SR <u>15</u> ^E _W C W/2 SE NE; Osborne Co., Kansas			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
Rock	0	42	
Shale	42	630	
Sand	630	748	
Hard Sand	748	762	
Shale	762	1218	
Anhydrite	1218	1250	
Shale	1250	1800	
Shale & Lime	1800	2015	
Lime & Shale	2015	3034	
Lime	3034	3220	
Lime & Shale	3220	3270	
Lime	3270	3640	
RTD		3640	
<u>Drill Stem Test #1 3180-3220'/90"</u> Rec. 130' wtry drlg. mud IFP: 55-63#; FFP: 79-100 ISIP: 1169#; FSIP: 1168# <u>Drill Stem Test #2 3248-3270/90"</u> Rec. 700' GIP & 315' fluid 125' sli oil cut mud 190' heavy oil & Gas Cut Mud IFP: 46-68#/30" FFP: 91-129#/60" ISIP: 886#/45" FSIP: 886#/90" <u>Drill Stem Test #3 3550-3588/95"</u> Rec. 695' fluid (380' clean gassy oil) (125' heavy oil cut mud, 60% oil, 40% mud) (190' slightly oil cut mud, 40% oil, 60% mud) IFP: 63-137# FFP: 158-295# ISIP: 1087# FSIP: 1087#			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Geological Secretary Title July 10, 1978 Date		

0810L

duplicate
DRILLERS LOG

CONFIDENTIAL

15-141-20039
19-10-15039
July
446

No. 3-19 Locke

CASING RECORD:

8 5/8" @ 253'
w/175 sx cement

4 1/2" @ 3,639'
w/175 sx cement

TOTAL DEPTH: 3,640'

COMPANY: Graham-Michaelis Corporation

CONTRACTOR: Red Tiger Drilling Company

COMMENCED: May 31, 1978

COMPLETED: June 10, 1978

DESCRIPTION:

110' W of C W/2 SE/4 NE/4
Sec. 19-T10S-R15W
Osborne County, Kansas

ELEVATION: 2,033' KB

FORMATION

FROM

TO

REMARKS

Rock	0	42	
Shale	42	630	
Sand	630	748	
Hard Sand	748	762	
Shale	762	1218	
Anhydrite	1218	1250	
Shale	1250	1800	
Shale & Lime	1800	2015	
Lin Shale	2015	3034	
Lime	3034	3220	
Lime & Shale	3220	3270	
Lime	3270	3640	
RTD		3640	

RECEIVED
STATE CORPORATION COMMISSION
MAY 10 1978
CONSERVATION DIVISION
Topeka, Kansas

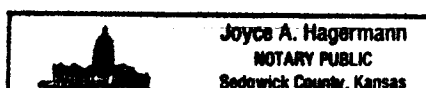
I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 12th day of June, 1978.

Joyce A. Hagermann
Notary Public



RECEIVED
COMMISSION