

State Geological Survey  
WICHITA BRANCH  
KANSAS DRILLERS LOG

IMPORTANT  
Kans. Geo. Survey request  
samples on this well.

15-141-20035

CONFIDENTIAL

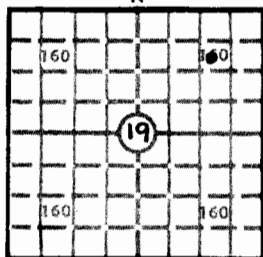
Released 4/1/80  
S. 19 T. 10 R. 15 W

API No. 15 — 141 — 20,037  
County Number

Loc. C SW NE NE

County Osborne

640 Acres  
N



Locate well correctly

Elev.: Gr. 2041'

DF 2048' KB 2046'

Operator  
Graham-Michaelis Corp.

Address  
P. O. Box 247 Wichita, Kansas 67201

Well No. #2-19 Lease Name Locke

Footage Location  
990 feet from (N) line 1100 feet from (E) line

Principal Contractor Red Tiger Drilling Company Geologist Don F. Moore

Spud Date March 23, 1978 Total Depth 3655' P.B.T.D.

Date Completed April 11, 1978 Oil Purchaser Koch Oil Company

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 wtr supply	12 1/4"	8 5/8"		254'	Common	175	2% gel, 3% cc
Production		4 1/2"	10.5	3655'	Common	175	3% gel, 10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2		3598-3602
TUBING RECORD			2		3591-3593
Size 2 3/8"	Setting depth 3581.89'	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Not treated	

INITIAL PRODUCTION

Date of first production Apr. 11, 1978 Producing method (flowing, pumping, gas lift, etc.) Pumping (State Test)

RATE OF PRODUCTION PER 24 HOURS	Oil 55 bbls.	Gas MCF	Water	Gas-oil ratio
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.

ALL INFORMATION RELATIVE TO THIS WELL, TO BE HELD CONFIDENTIAL

Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 2-19	Lease Name Locke	OIL	
S 19 T 10S R 15 W Osborne County, Kansas			
<b>WELL LOG</b>		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
Post Rock	0	40	
Post Rock & Shale	40	258	
Shale & Sand Streaks	258	650	Petro-Log
Sand & Shale	650	925	Radiation Guard Log
Shale	925	1227	Borehole Compensated Sonic
Anhydrite	1227	1260	
Shale	1260	1528	
Shale & Lime	1528	2239	
Lime & Shale	2239	2630	
Lime	2630	2700	
Lime & Shale	2700	3026	
Lime	3026	3655	
RTD		3655	
<u>Drill Stem Test #1 - 2596-2630/30"</u> Rec. 2' mud IFP: 31-31 FFP: 31-31 ISIP: 42# FSIP: 42#  <u>Drill Stem Test #2 - 3194-3235/90"</u> Rec. 30' GIP & 150' fluid 30' Oil & Gas cut mud (40% oil, 2% water, 58% mud) 60' Oil & Gas Cut Mud (35% oil, 1% wtr, 64' mud) 60' slightly oil and gas cut mud (11% oil, 83% mud) IFP: 52-62#/30" FFP: 83-94#/60" IBHP: 1089#/35" FBHP: 1089#/90"		<u>Drill Stem Test #3 - 3257-3310/90"</u> Rec: 480' gas in pipe & 240' fluid (60' HO&GCM; 60" heavy gas and mud cut oil; 120' froggy oil) IFP: 42-42/30" FFP: 73-44/60" ISIP: 851#/45" FSIP: 851#/90"	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="margin-bottom: 5px;"><i>Muriel F. C. Jeram</i></div> <div style="margin-bottom: 5px;">Signature</div> <div style="margin-bottom: 5px;">Geological Secretary</div> <div style="margin-bottom: 5px;">Title</div> <div style="margin-bottom: 5px;">May 22, 1978</div> <div>Date</div>		

SEDL

19-10-15W

GRAHAM-MICHAELIS CORPORATION

CKE #2-19

Sec. 19-10S-15W

Osborne County, Kansas

Well Log (continued)

DRILL STEM TEST #4 -3566-3601/90"

Rec. 180' gas in pipe  
630' clean gassy oil  
320' heavy oil cut mud

IFP: 94-177#/30"

FFP: 218-392#/60"

ISIP: 1099/45"

FSIP: 1099#/90"

DRILLSTEM TEST #5 - 3601-3609/90"

Rec. 2030' fluid (660' clean oil; 690' froggy oil; 440' wtr cut muddy oil (10% water)  
250' slightly oil cut water)

IFP: 104-458/30"

FFP: 531-789/60"

ISIP: 1089#/45"

FSIP: 1089#/90"