

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

15-141-20038
 Released 4/1/80

API No. 15 — 141 — 20038
 County Number

S. 19 T. 10S R. 15W E
 Loc. 410'FSL 330'FEL NW
 County Osborne

Operator
 Graham-Michaelis Corp.

Address
 Box 247 Wichita, Kansas 67202

Well No. #1-19 Lease Name Locke Bros.

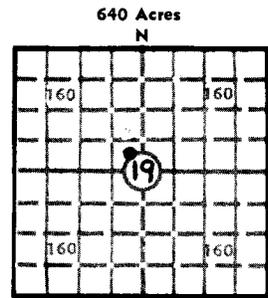
Footage Location
 410 feet from (N) (S) line 330 feet from (E) (W) line

Principal Contractor Red Tiger Drilling Company Geologist Harvey Gough

Spud Date May 4, 1978 Total Depth 3570' P.B.T.D.

Date Completed Oil Purchaser

CONFIDENTIAL



Elev.: Gr. 1953'
 DF KB 1958'

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 1/2"	8 5/8"	23#	208'w/ 11' landing joint	Common	145	3% cal chl. 2% gel
Production		4 1/2"	10.5#	3568'		175	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					3506-3511

TUBING RECORD

Size	Setting depth	Packer set at

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 50 bbls. Gas MCF Water some bbls. Gas-oil ratio 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.

INFORMATION TO BE HELD CONFIDENTIAL FOR ONE YEAR

Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1-19	Lease Name LOCKE BROTHERS	Oil
S 19 T 10S R 15 W 410' FSL & 330' FEL; NW¼		

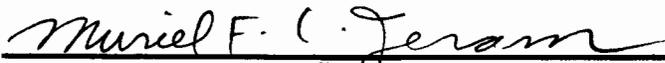
WELL LOG

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	
Surface Soil, Rock & Shale	0	150	Petro-Log Radiation Guard Log Borehole Compensated Sonic Log		
Shale	150	589			
Sand	589	670			
Hard Sand	670	691			
Sand & Shale	691	790			
Shale	790	1138			
Anhydrite	1138	1175			
Shale	1175	1785			
Lime & Shale	1785	3014			
Lime	3014	3512			
Sand, Lime, Shale	3512	3570			
R.T.D.		3570			
 <u>DRILL STEM TEST #1 3106-3150/90"</u>					
Recovered: 67' watery mud					
IFP: 51-43# - 30 min.					
FFP: 70-68# - 60 min.					
ISIP: 1101# - 45 min.					
FSIP: 1117# - 90 min.					
 <u>DRILL STEM TEST #2 3170-3200/90"</u>					
Recovered: 2079' gas in pipe and 819' fluid					
378' clean gassy oil					
189' slightly mud cut oil					
252' muddy gassy oil					
IFP: 53-127# - 30 min.					
FFP: 158-295# - 60 min.					
ISIP: 897# - 45 min.					
FSIP: 897# - 90 min.					
 <u>DRILL STEM TEST #3 3480-3512'/90"</u>					
Recovered: 122' mud cut oil					
Grindout - 40% mud, 60% oil					
IFP: 42-42# - 30 min.					
FFP: 63-74# - 60 min.					
ISIP: 1065# - 45 min.					
FSIP: 1065# - 90 min.					

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

Date Received	 Signature Geological Secretary Title July 10, 1978 Date
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