

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API No. 15-141-20,240-00-00
County Osborne
1220' FNL;
530' FWL NW/4 Sec. 19 Twp. 10S Rge. 15W East
..... West

Operator: License # 5134
Name Graham-Michaelis Corp.
Address P. O. Box 247
City/State/Zip Wichita, Kansas 67201

4060 Ft North from Southeast Corner of Section
4750 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser

Lease Name Locke Bros. Well # 5-19
Field Name Natoma (West)

Operator Contact Person Jack L. Yinger
Phone 316-264-8394

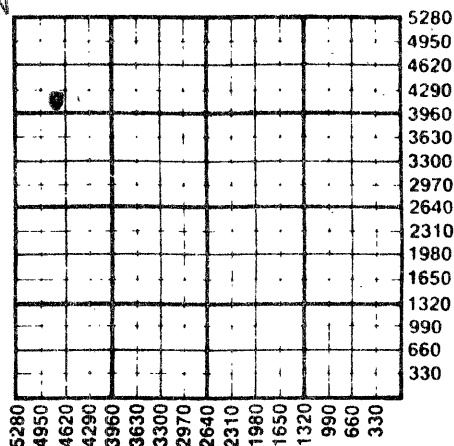
Producing Formation
Elevation: Ground 1933 KB 1938

Contractor: License # 5302
Name Red Tiger Drilling Company

RECEIVED
OCT 19 1988
10-19-88
CONSERVATION DIVISION
Wichita, Kansas

Wellsite Geologist Joel A. Alberts
Phone 262-6391

Section Plat



Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

WATER SUPPLY INFORMATION

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9/10/88 9/17/88 9/17/88
Spud Date Date Reached TD Completion Date
3,560'
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 420 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name
Invoice #
N/T II D&D

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water 900 Ft North from Southeast Corner
(Stream, pond etc) 2200 Ft West from Southeast Corner
Sec 8 Twp 10 Rge 15 East West
John Clark, Natoma, Ks. 67651
Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Jack L. Yinger
Title Jack L. Yinger, Vice President Date 9/21/88

Subscribed and sworn to before me this 21st day of September 1988
Notary Public Aldine M. Johnson

Date Commission Expires

Aldine M. Johnson
NOTARY PUBLIC
State of Kansas
MY APPT. EXPIRES 3-19-89

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
10-19-88
Form ACO-1 (5-86)

Sec 19 Twp. 10 Rge. 15W

Operator Name Graham-Michaelis Corporation Lease Name Locke Bros. Well # 5-19

Sec. 19 Twp. 10S Rge. 15W East West County Osborne

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No

Formation Description
 Log Sample

DST #1 3178-3222, 30", 45", 60", 45",
Recovered 350' watery mud, no show.
IFP 108-120, FFP 140-172. ISIP 562,
FSIP failed.

DST #2 3483-3517, 30", 45", 30", 45",
Recovered 890' muddy water.
IFP 97-335, FFP 389-411. ISIP 443,
FSIP 443.

Name	Top	Bottom
Heebner (sample)	3112	(-1174)
Lansing	3152	(-1214)
BKC	3406	(-1468)
Conglomerate Sand	3506	(-1568)
RTD	3560'	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24#	424'	Common	225	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method				
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	P & A				
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) Dually Completed Commingled