

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACO-2 AMENDMENT TO WELL HISTORY

Operator: License # 5134
Name: Graham-Michaelis Corporation
Address: P. O. Box 247
City/State/Zip: Wichita, KS 67201
Purchaser: Koch Oil Company
Operator Contact Person: Jack L. Yinger
Phone: (316) 264-8394

Designate Type of Original Completion
 New Well Re-Entry Workover
Date of Original Completion May 19, 1978
Name of Original Operator Graham-Michaelis Corp.

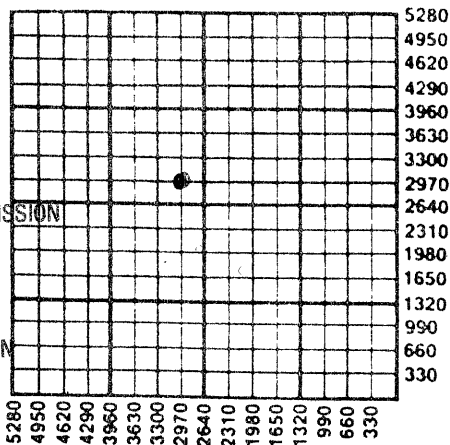
Original Well Name Locke Brothers #1-19
Date of Recompletion: Nov. 27, 1990 December 12, 1990
Commenced Completed

Re-entry Workover
Designate Type of Recompletion/Workover:
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)
 Deepening Re-perforation
 Plug Back 3495' PBD
 Conversion to Injection/Disposal

Is recompleted production: single completion.
Conglomerate zone plugged off.
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (Disposal or Injection?) Docket No. _____

API NO. 15- 15-141-20038-00-01
County Osborne
SE SE NW Sec. 19 Twp. 10S Rge. 15W East West
3050 Ft. North from Southeast Corner of Section
2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Locke Brothers Well # 1-19
Field Name Natoma East
Producing Formation Lansing
Elevation: Ground 1953' KB 1958'

RECEIVED
STATE CORPORATION COMMISSION
6-26-91
JUN 26 1991
CONSERVATION DIVISION
Wichita, Kansas



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)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the recompletion of any well. Rules 82-3-107 and 82-3-141 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 any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACO-4 or ACO-5 prior to or with this form for approval of commingling or dual completions. Submit CP-1 with all plugged wells. Submit CP-111 with all temporarily abandoned wells. NOTE: Conversion of wells to either disposal or injection must receive approval before use; submit form U-1.

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 Vice President Date June 24, 1991
Subscribed and sworn to before me this 24th day of June 1991
Notary Public Aldine M. Johnson Date Commission Expires 3-19-93

Aldine M. Johnson
NOTARY PUBLIC
State of Kansas
MY APPT. EXPIRES 3-19-93

SIDE TWO

Operator Name Graham-Michaelis Corporation Lease Name Locke Brothers Well # 1-19

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

County Osborne

RECOMPLETION FORMATION DESCRIPTION

Log Sample

<u>Name</u>	<u>Top</u>	<u>Bottom</u>
Lansing - Kansas City	3154'	3439'

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input checked="" type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					
	Squeezed cement Dakota break-in before perforating Lansing zones.				
	Plug set at 3495'. Found holes in casing from 865' to 1027'.				
	Squeezed with a total fo 425 sacks. Cleaned out and perforated				
	Lansing zones.				

Shots Per Foot	PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
	Specify Footage of Each Interval Perforated		
2	3183-87', 3242-46', 3255-59',		6,950 gallons - overall
	3316-20', 3335-39'		

PBTD 3495' Plug Type Bridge plug

TUBING RECORD

Size 2-7/8" Set At 3436.86' Packer At _____ Was Liner Run Y N

Date of Resumed Production, Disposal or Injection December 12, 1990

Estimated Production Per 24 Hours Oil 50 Bbls. Water 100 Bbls. Gas-Oil-Ratio _____

Gas _____ Mcf

Disposition of Gas:

Vented Sold Used on Lease (If vented, submit ACO-18.)