

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5134 EXPIRATION DATE June 30, 1983

OPERATOR Graham-Michaelis Corporation API NO. 15-141-20,106

ADDRESS P. O. Box 247 COUNTY Osborne
Wichita, Kansas 67201 FIELD Natoma East

** CONTACT PERSON Jack L. Yinger PROD. FORMATION _____
 PHONE 316-264-8394

PURCHASER N/A LEASE Locke

ADDRESS _____ WELL NO. #7-19 SWDW

DRILLING Abercrombie Drilling, Inc. WELL LOCATION NE NE SW
 CONTRACTOR 801 Union Center 270 Ft. from North Line and
 ADDRESS Wichita, Kansas 67202 330 Ft. from East Line of
 the SW/4 (Qtr.) SEC 19 TWP 10S RGE 15W.

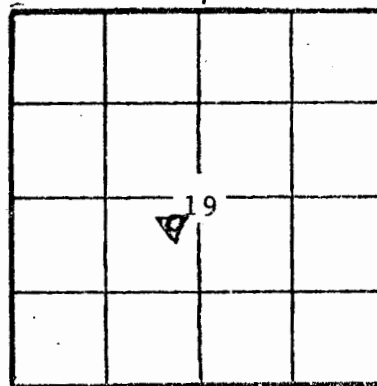
PLUGGING _____ WELL PLAT _____ (Office
 CONTRACTOR _____ Use Only)
 ADDRESS _____ KCC _____
 KGS ☒

TOTAL DEPTH 4343' PBTD _____ SWD/REP _____
 SPUD DATE 6-27-81 DATE COMPLETED 9-4-81 PLG. _____

ELEV: GR 2026' DF 2029' KB 2031'

DRILLED WITH ~~(COPPER)~~ (ROTARY) ~~(COPPER)~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING
 USED TO DISPOSE OF WATER FROM THIS LEASE _____



Amount of surface pipe set and cemented 390' w/280sx DV Tool Used? _____

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other _____

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Jack L. Yinger, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

Jack L. Yinger
 (Name)

7041

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR Graham-Michaelis Corp.

LEASE Locke 7-19

SEC. 19 TWP 10S RGE. 15W

FILL IN WELL LOG AS REQUIRED:

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
Top Soil, Post Rock & Shale	0	345	Heebner	3204 (-1173)
Shale	345	392		
Shale & Sand	392	587	Lansing	3253 (-1222)
Shale, Sand & Pyrite ✓	587	782		
Shale & Sand	782	1221	Base K.C.	3508 (-1477)
Anhydrite	1221	1255		
Shale	1255	2400	Arbuckle	3732 (-1701)
Shale & Lime	2400	3295		
Lime & Shale	3295	3316	RTD	4343
Shale & Lime	3316	3333		
Lime	3333	3541		
Lime & Conglomerate	3541	3610		
Sane & Lime	3610	3755		
Conglomerate, Arbuckle & Chert	3755	3872		
Chert & Lime	3872	3960		
Arbuckle Dolomite	3960	4100		
Granite Wash	4100	4343		
RTD	4343			
DST #1 3264-3316', 30, 45, 30, 45,	Recovered 10' mud. IFP 39-45#/30". ISIP 880#/45";		FFP 49-49#/30"; FSIP 851#/45"	
Inject water through open hole. Ran 2-3/8" fiberglass tubing open-ended to 3800' and dispose fluid through fiberglass tubing. Loaded annulus between the tubing and 5-1/2" casing with treated water.				

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8-5/8"		390'	Common	280	3% c.c., 2% gel
Production		5-1/2"		3814'	Common	200	10% salt, 5 sacks salt flush
		DV tool set at	1264'	Second stage cemented with 375 sacks cement 50-50 pos-mix, 6% gel.			

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD					
Size 2-3/8"	Setting depth 3800'	Packer set at			

CONTRACTOR'S WELL LOG

OPERATOR: Graham-Michaelis Corp.
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: LOCKE #7-19
LOCATION: NE NE SW, Section 19-10S-15W
Osborne County, Kansas
SPUD DATE: 6/27/81
COMPLETION DATE: 7/05/81

0	345	Top Soil, Post Rock & Shale
345	392	Shale
392	587	Shale & Sand
587	782	Shale, Sand & Pyrite ✓
782	1221	Shale & Sand
1221	1255	Anhydrite
1255	2400	Shale
2400	3295	Shale & Lime
3295	3316	Lime & Shale
3316	3333	Shale & Lime
3333	3541	Lime
3541	3610	Lime & Conglomerate
3610	3755	Sand & Lime
3755	3872	Conglomerate, Arbuckle & Chert
3872	3960	Chert & Lime
3960	4100	Arbuckle Dolomite
4100	4343	Granite Wash
	4343	Rotary Total Depth

Spud hole @ 6:30 p.m., 6/27/81. Drilled 392' of a 12¼" hole. Ran 9 joints 8 5/8" surface casing set @ 390' with 280 sx. common 3% c.c., 2% gel. Cement did circulate. Plug was down @ 3:00 a.m., 6/28/81.

4343' T.D. Ran 102 joints of 5½" 14# casing set @ 3816'. Cemented 1st stage with 5 sx. of Salt Flush, 200 sx. of common 10% Salt. Set 2nd stage with 375 sx. of 50-80 posmix, 6% Gel. Plug was down @ 8:00 p.m., 7/05/81.

SAMPLE TOPS:

Anhydrite 1221'
Anhydrite 1255'

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

Jack L. Partridge, Vice President of Abercrombie Drilling, Inc. does hereby