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State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 26 T. 8S R. 17 E
W

API No. 15 — 163 — 20,901 MAY 8 0 RECD
County Number

Loc. NE SE NE

County _____ Rooks

Operator
Graham-Michaelis Corporation

Address
P. O. Box 247, Wichita, Kansas 67201

Well No. 1-26 Lease Name Hrabe "C"

Footage Location
1590 feet from (N) (X) line 270 feet from (E) (W) line NE 1/4

Principal Contractor Abercrombie Drilling, Inc. Geologist Jay Groves

Spud Date March 13, 1979 Total Depth 3480' P.B.T.D. N/A

Date Completed April 3, 1979 Oil Purchaser Koch Oil Company

640 Acres
N

Locate well correctly
Elev.: Gr. 1988'

DF N/A KB 1993'

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	12 1/2"	8 5/8"	24#	293.52'	common	150	3% cal chl; 2% gel
Production		4 1/2"	10.5#	3479'		150	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
none					
TUBING RECORD			2		3153-3156' 3163-3166'
Size	Setting	Packer set at			3166' 3180-3183'; 3186-3189'; 3245-3248'; 3303-3306';
2 3/8"	3434.80'	None			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

3309-3312'

Amount and kind of material used	Depth interval treated
Acidized with 5,400 gals 28% mud acid	overall perms.

INITIAL PRODUCTION

Date of first production April 2, 1979	Producing method (flowing, pumping, gas lift, etc.) Pumping 6 bbls oil per day (state test)
RATE OF PRODUCTION PER 24 HOURS	Oil 6 bbls. Gas MCF Water bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s) as above

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.

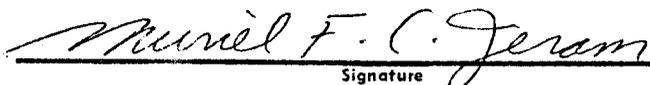
Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1-26	Lease Name Hrabe "C"	Oil
S <u>26</u> T <u>8S</u> R <u>17</u> ^{EX} W		NE SE NE; Rooks County, Kansas

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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
Surface clay and shale	0	295	Petro Log
Sand- Shale	295	1281	Radiation Guard Log
Anhydrite	1281	1306	Borehole Compensated Sonic
Shale and lime	1306	2985	
Lime and shale	2985	3195	
Lime	3195	3315	
Shale and lime	3315	3382	
Lime	3382	3455	
Shale and lime	3455	3480	
R.T.D.	3480		

DRILL STEM TESTS: DST #1 - 3151-3195' 90". Rec. 185' heavy oil cut mud. IFP: 82-82/30"; FFP: 101-110#/60"; ISIP: 788#/45"; FSIP: 852#/90". DST #2 - 3195-3215/60" Rec. 15' slightly oil speckled mud. IFP: 27-37#/30"; FFP: 37-37#/30"; ISIP: 165#/45"; FSIP: 73#/45". DST #3 3215-3265/60" Rec: 20' mud with few specks oil. IFP: 55-55/30"; FFP: 55-55#/30"; ISIP: 476# 30; FSIP: 412#/30". DST #4 3275-3315/60", Rec: 10' mud. IFP: 46-46#/30"; FFP: 46-46#/30"; ISIP: 220#/45"; FSIP: 174#/45" DST #5 - 3315-3400'/60". Rec: 10' mud. IFP: 64-64#/30"; FFP: 64-64#/30"; ISIP: 156#/30"; FSIP: 110#/30".

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

Date Received	 _____ Signature _____ Geological Secretary _____ Title _____ April 22, 1980 _____ Date
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MAY 30 REC'D

26-8-17W

CONTRACTOR'S WELL LOG

OPERATOR:	Graham-Michaelis Corporation
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	Hrabe "C" #1-26
LOCATION:	NE SE NE, Section 26-8S-17W Rooks County, Kansas
SPUD DATE:	March 13, 1979
COMPLETION DATE:	March 21, 1979

0	295	Surface clay and shale
295	1281	Sand - Shale
1281	1306	Anhydrite
1306	2985	Shale and lime
2985	3195	Lime and Shale
3195	3315	Lime
3315	3382	Shale and lime
3382	3455	Lime
3455	3480	Shale and lime
3480		Rotary Total Depth

Spud hole at 1:00 a.m., March 13, 1979. Drilled 295' of 12¼" hole. Ran 7 joints of new 8-5/8" - 24# casing. Set at 293.52' with 150 sacks of common cement, 3% Ca.Cl., 2% gel. Cement did circulate. Plug was down at 8:15 a.m., March 13, 1979.

T.D. 3480'. Ran 86 joints of new 4½" - 10½# casing. Set at 3479' with 150 sacks of cement. Plug was down at 10:45 a.m., March 21, 1979.

SAMPLE TOPS:

Anhydrite	1281'
B/Anhydrite	1321'

RECEIVED
STATE CORPORATION COMMISSION

MAR 29 1979

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS)
) ss
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state, that the above and foregoing is a true and correct copy of the log of the Hrabe "C" #1-26, NE SE NE, Section 26-8S-17W, Rooks County, Kansas.

ABERCROMBIE DRILLING, INC.

BY Jack L. Partridge
Jack L. Partridge
Assistant Secretary-Treasurer