

WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 163 — 20,964
County Number

Operator

Graham-Michaelis Corporation

Address

P. O. Box 247, Wichita, Kansas 67201

Well No.

1-5

Lease Name

Hilgers

Footage Location

1590

feet from (N) (S) line

1480

feet from (E) (W) line

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

H. J. "Jay" Groves

Spud Date

September 10, 1979

Total Depth

3758'

P.B.T.D.

Date Completed

September 21, 1979

Oil Purchaser

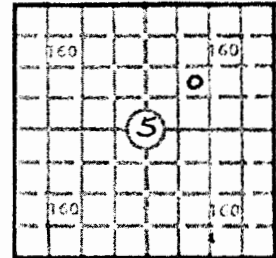
None

S. 5 T. 10S R. 18 E
W

Loc. NE SW NE

Rooks

640 Acres
N



Locate well correctly

2181

Elev.: Gr.

DF KB 2186

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 1/4"	8 5/8"	24#	260.23'	common	150	3% Cal Ch1; 2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
NONE					
TUBING RECORD			NONE		
Size	Setting depth	Packer set at			
NONE					

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.)			
DRY HOLE		NONE			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	MCF	bbls.	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.

Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1-5	Lease Name Hilgers	DRY HOLE	
S <u>5</u> T <u>10S</u> R <u>18</u> ^E / _W NE SW NE; Rooks County, Kansas			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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	265	Petro-Log Radiation Guard Log
Shale & sand	265	1569	
Anhydrite	1569	1605	
Shale & sand	1605	1719	
Sand & shale	1719	2102	
Shale	2102	2414	
Sand and shale	2414	2713	
Lime and shale	2713	3071	
Shale and lime	3071	3376	
Lime	3376	3430	
Lime and shale	3430	3480	
Lime	3480	3568	
Shale and lime	3568	3618	
Lime	3618	3758	
Rotary total depth		3758	

DRILL STEM TESTS: DST #1 - 3150-3180/90". Rec. 310' very slightly oil cut water.
 IFP: 52-73/30"; FFP: 102-168/60"; ISIP: 1081/45"; FSIP: 1071/90". DST #2 - 3360-3430/60"
 Rec: 15' mud. IFP: 80-50/30"; FFP: 86-51/30"; ISIP: 424/30"; FSIP: 295/30". DST #3 -
3428-3505/90". Rec: 450' muddy water w/specks of oil in the tool. IFP: 88-153/30"; FFP:
195-256/60"; ISIP: 573/45"; FSIP: 559/90". DST #4 3515-3568/60". Rec: 15' mud. IFP: 59-45/30
 FFP: 59-53/30"; ISIP: 74/30"; FSIP: 70/30". DST #5 - 3569-3625/60". Rec: 15' mud. IFP:
61-53/30"; FFP: 53-53/30"; ISIP: 56/30"; FSIP: 53/30". DST #6 - 3618-3650/60". Rec:
10' mud. IFP: 61-53/30"; FFP: 53-53/30"; ISIP: 56#/30"; FSIP: 53#/30". DST #7 - 3715-3730/90"
 Rec: 15' oil cut mud; 120' slightly oil cut mud; 1 cup free oil in top of tool. IFP:
38-18/30"; FFP: 47-68/60"; ISIP: 167#/45"; FSIP: 165/90". DST #8 - 3715-3759' (packer failure
DST #9 - 3682-3759/90". Rec: 2110' muddy salt water; IFP: 102-553/30"; FFP: 583-949/60";
 ISIP: 1122#/45"; FSIP: 1112#/90".

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.	
Date Received	<div style="text-align: center; margin-bottom: 10px;"> Signature </div> <div style="text-align: center; margin-bottom: 10px;"> Geological Secretary Title </div> <div style="text-align: center;"> October 16, 1979 Date </div>

b537L

CONTRACTOR'S WELL LOG

OPERATOR: **ARY** m-Michaelis Corporation
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: Hilgers #1-5
LOCATION: NE, Section 5-10-18W
Rooks County, Kansas
SPUD DATE: September 10, 1979
COMPLETION DATE: September 21, 1979

0	265	Surface clay and shale
265	1569	Shale and sand
1569	1605	Anhydrite
1605	1719	Shale and sand
1719	2102	Sand and shale
2102	2414	Shale
2414	2713	Sand and shale
2713	3071	Lime and shale
3071	3376	Shale and lime
3376	3430	Lime
3430	3480	Lime and shale
3480	3568	Lime
3568	3618	Shale and lime
3618	3758	Lime
	3758	Rotary Total Depth

Spud hole at 2:30 p.m., September 10, 1979. Drilled 265' of 12 $\frac{1}{4}$ " hole. Ran 6 joints of 8-5/8" - 24# casing. Set at 260.23' with 150 sacks of common cement, 3% Ca.Cl., 2% gel. Cement did circulate. Plug was down at 2:30 a.m., September 11, 1979.

T.D. 3758'. Set 1st plug at 790' with 70 sacks, 2nd plug at 250' with 20 sacks, 3rd plug at 40' solid bridge with 10 sacks, rathole with 5 sacks. Cemented with 50/50 posmix, 6% gel. Plug was down at 6:30 a.m., September 21, 1979.

SAMPLE TOPS:

Anhydrite 1569'
B/Anhydrite 1605'

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 Hilgers #1-5, NE, Section 5-10-18W, Rooks County,