

MAY 26 1987

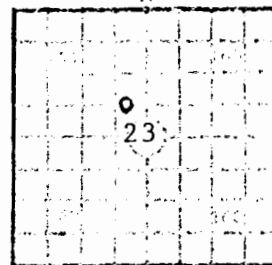
KANSAS DRILLERS LOG

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCHAPI No. 15 — 051 — 21698
County Number

S. 23 T. 13S R. 18 E W

Loc. 40' E of C S $\frac{1}{2}$ E $\frac{1}{2}$ NW $\frac{1}{4}$;

County Ellis

640 Acres
NLocate well correctly
2096

Elev.: Gr. 2096

DF 2099 KB 2101

Operator

Graham-Michaelis Corporation

Address

P. O. Box 247, Wichita, Kansas 67201

Well No.

1-23

Lease Name

Pfeifer

Footage Location

1320 feet from (S) line 290 feet from (E) line of NW $\frac{1}{4}$

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

Philip M. Knighton

Spud Date

June 21, 1979

Total Depth

3685'

P.B.T.D.

Date Completed

August 10, 1979

Oil Purchaser

Koch Oil Company

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 $\frac{1}{4}$ "	8 5/8"	24#	560'	common	280	3% cal chl; 2% ge
Production		4 1/2"	10.5#	3683'	common	150	10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
none					
TUBING RECORD			2 shots		3483-87; 3404-08'
Size	Setting depth	Packer set at			3484-88'; 3330-34
2 3/8"	3432.45'	none			3288-94'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Treated with 9,200 gals acid	overall perms.

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
August 18, 1979		Pumping			
RATE OF PRODUCTION PER 24 HOURS		Oil	Gas	Water	Gas-oil ratio
120		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. 1-23	Lease Name Pfeifer	OIL	
S 23 T13 R 18 W 40' E of C E 1/2 E 1/2 NW 1/4, Ellis County			
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
Shale	0	52	Petro-Log Radiation Guard
Sand and Shale	52	1640	Borehole Compensated Sonic
Sand and Red Bed	1640	1991	
Sand and Shale	1991	2225	
Shale and Lime	2225	3310	
Lime	3310	3455	
Shale and Lime	3455	3510	
Lime	3510	3560	
Shale and Lime	3560	3600	
Lime	3600	3685	
Rotary Total Depth	3685		

DRILL STEM TESTS: DST #1 - 3274-3310 - 30"; 45"; 60"; 90". Rec. 250' G.I.P.; 360' fluid; (50' oil cut mud, 125' very heavy oil & gas cut mud; 125' gas cut muddy oil; 60' very heavy oil and gas cut mud.) IFP: 60-66; FFP: 110-125; ISIP: 1076; FSIP: 1076
DST #2 - 3356-3410 - 30"; 45"; 60"; 90". Recovered: 150' sli. oil speckled mud. IFP: 37-44; FFP: 83-87; ISIP: 927; FSIP: 766. DST #3 - 3413-3435' - 30"; 45"; 30"; 60". Recovered 10' mud : 54-31; FFP: 42-31; ISIP: 58; FSIP: 31. DST #4 - 3431-3455' - 30"; 45"; 30"; 45". Rec. 10' mud. IFP: 64-37; FFP: 64-37; ISIP: 256; FSIP: 60. DST #5 - 3453-3510'; 30"; 60"; 45"; 90 Recovered 125' fluid (65' oil cut mud, 60' slightly oil cut mud) IFP: 58-44; FFP: 79-75; ISIP: 677; FSIP: 673. DST #6 - 3518-3543 - 30"; 45"; 30"; 45". Recovered 10' mud. IFP: 42-35; FFP: 44-37; ISIP: 69; FSIP: 42. DST #7 - 3541-3600'. 30"; 45"; 30"; 45"; Rec. 10' mud. IFP: 40 FFP: 44-40; ISIP: 75; FSIP: 44.

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

Date Received	Muniel F. C. Jeram Signature Geological Secretary Title September 5, 1979 Date
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