

KANSAS



State Geological Survey

WELL COMPLETION REPORT AND
DRILLER'S LOG

WICHITA BRANCH

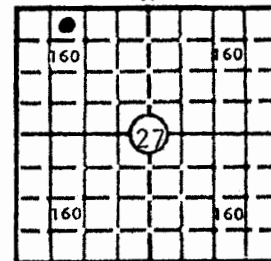
CONFIDENTIAL

S. 27 T. 9S R. 15W

Loc. NE NW NW

County Osborne

640 Acres



Locate well correctly

Elev.: Gr. 2005

DF KB 2009

API No. 15 — 141 — 20,089
County Number

Operator

Graham-Michaelis Corporation

Address

P. O. Box 247, Wichita, Kansas 67201

Well No.

2 - 27

Lease Name

Schultze

Footage Location

330

feet from (N) (S) line

1155

feet from (E) (W) line

NW/4

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

Larry Bookless

Spud Date

3-10-81

Date Completed

4-20-81

Total Depth

3691

P.B.T.D.

3642

Directional Deviation

Oil and/or Gas 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	12-1/4"	8-5/8"	24#	248'	Common	190	3% C.C., 2% gel
Production	7-7/8"	4-1/2"		3689		200	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 shots/foot		3212 - 3423 OA
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8" EUE	3645'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
15,600 gallons 28% mud acid	Above perforations.
RELEASED	
Date: 9/19/82	
FROM CONFIDENTIAL	

INITIAL PRODUCTION

Date of first production April 23, 1981		Producing method (flowing, pumping, gas lift, etc.) Pumping		
RATE OF PRODUCTION PER 24 HOURS	Oil Swab test 4 BOPH bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s) 3212 - 3423' Overall	

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, 245 No. Water, Wichita, Kansas 67202. 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.

PLEASE HOLD THIS INFORMATION CONFIDENTIAL

27-9-15W
DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

OIL WELL

SEP

Operator

Graham-Michaelis Corporation

Well No.

2 - 27

Lease Name

Schultze

P1

S 27 T 9S R15W K
W

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.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.

TOP

BOTTOM

NAME

DEPTH

Top Soil, Sand & Shale

0

250

Heebner

3149 (-1140)

Sand & Shale

250

1184

Shale

1184

1207

Lansing

3200 (-1191)

Anhydrite

1207

1242

Shale

1242

2437

Base K.C.

3467 (-1458)

Lime & Shale

2437

3115

Lime

3115

3222

Viola

3652 (-1643)

Lime & Shale

3222

3278

Lime

3278

3568

R.T.D.

3690 (-1681)

Lime & Conglomerate

3568

3610

Conglomerate

3610

3625

Lime

3625

3690

Rotary Total Depth

3690

Ran Petro-Log Radiation Guard
Log.

DST #1 3175-3245/90", Recovered 330' gas in pipe and 90' fluid: 30' gassy oil cut mud (10% oil, 62% mud, 28% water), 60' gassy slightly oil cut mud (5% oil, 70% mud & 25% water), IFP 54-54#/30"; FFP 65-76#/60"; ISIP 271#/45"; FSIP 618#/90". BHT 90°.

DST #2 3242-3312/90", Recovered 540' fluid: 60' mud with oil spots, 60' slightly oil cut mud, 60' gassy frothy oil cut mud, 360' gassy frothy oil; IFP 76-152#/30"; FFP 195-271#/60"; ISIP 758#/45"; FSIP 801#/90". BHT 99°.

DST #3 3583-3610/90", Recovered 160' watery mud with few spots of oil. IFP 43-54#/30"; FFP 76-86#/60"; ISIP 769#/45"; FSIP 704#/90".

RELEASED

Date:

2 1982

FROM CONFIDENTIAL

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

Date Received

Signature
Jack L. Yinger, Vice President

Title

November 11, 1981

Date

CONTRACTOR'S WELL LOG

OPERATOR: Graham-Michaelis Corporation
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: SCHULTZE #3-27
LOCATION: C NW NW NW, Section 27-9S-15W
Osborne County, Kansas
SPUD DATE: 6/10/81
COMPLETION DATE: 6/16/81

0	1125	Sand & Shale
1125	1224	Shale
1224	1262	Anhydrite
1262	1776	Shale
1776	2545	Shale & Lime
2545	2790	Lime
2790	3086	Lime & Shale
3086	3245	Shale & Lime
3245	3550	Lime
	3550	Rotary Total Depth

Spud @ 6:45 p.m., 6/10/81. Drilled 265' of a 12 $\frac{1}{4}$ " hole. Ran 6 joints of 8 5/8" casing (24#) set @ 263; RTD. Cemented with 200 sacks of common 3% Ca. Cl., 2% Gel. Plug down @ 10:45 p.m., 6/10/81.

T.D. @ 3550'. Ran 100 joints of 4 $\frac{1}{2}$ " 10# casing set @ 3549' RTD. Ran 10 barrels of Salt Flush, followed with 200 sacks of common 10% Salt. Plug was down @ 7:45 p.m., 6/16/81.

SAMPLE TOPS:

Anhydrite 1224'
B/Anhydrite 1262'

RECEIVED
STATE CORPORATION COMMISSION
JUN 26 1981
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS

COUNTY OF SEDGWICK

Jack L. Partridge, Vice President of Abercrombie Drilling, Inc. does hereby state that the above and foregoing is a true and correct copy of the log of the SCHULTZE #3-27, C NW NW NW, Section 27-9S-15W, Osborne County, Kansas.