

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 - 141 - 20,089 - 00 - 00
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

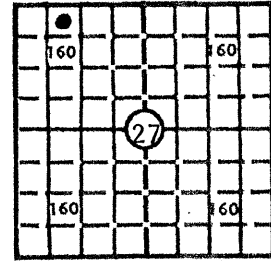
ORIGINAL

S. 27 T. 9S R. 15W EX W

Loc. NE NW NW

County Osborne

640 Acres N



Locate well correctly

Elev.: Gr. 2005

DF KB 2009

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	Socks	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.

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 MCF Water Gas bbls. CFPB

Disposition of gas (vented, used on lease or sold) Producing interval(s) 3212 - 3423' Overall

RECEIVED STATE CORPORATION COMMISSION

FEB 12 1993

2-12-1993 CONSERVATION DIVISION

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 MARK THIS INFORMATION CONFIDENTIAL

Operator Graham-Michaelis Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL WELL
Well No. 2 - 27	Lease Name Schultze	
S <u>27</u> T <u>9S</u> R <u>15W</u> $\frac{K}{W}$		


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 Gua 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".				

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

Date Received	
	Signature Jack L. Yinger, Vice President
	Title November 11, 1981
	Date