

KANSAS

IMPORTANT
 Kans. Geo. Survey request
 samples on this well.

13-4-85W

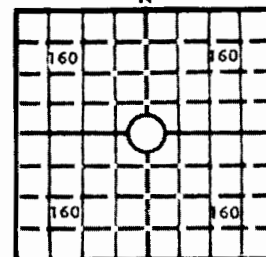
State Geological Survey
 WICHITA BRANCH

**WELL COMPLETION REPORT AND
 DRILLER'S LOG**

API No. 15 — 137 — 20208
 County Number

Loc. NE SE NW

County Norton

 640 Acres
 N


Locate well correctly

Elev.: Gr. 2524 GR

DF KB 2532

Operator
 F & M Oil Co., Inc.

Address
 422 Union Center, Wichita, Kansas

Well No. 1 Lease Name L. Smith

Footage Location
 1650 feet from (N) (S) line 2310 feet from (E) (W) line

Principal Contractor
 Abercrombie Drilling

Geologist
 Bob Gebhart

Spud Date 11-17-80 Date Completed 12--18--80 Total Depth 3980 P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser

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
surface	12 $\frac{1}{4}$ "	8--5/8		274	common	200	2% gel, 3% Ca. Cl.
production		4 $\frac{1}{2}$		3847	60-40 pos	100	10% salt

LINER RECORD
PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		3474-51
TUBING RECORD					
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 gal. acid	3474-51

INITIAL PRODUCTION

Date of first production 1-11-81 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS Oil 1.62 bbls. Gas MCF Water Trace bbls. Gas-oil ratio 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, 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.

Operator
F & M Oil Co., Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
oil

Well No.
1

Lease Name
L.Smith

S 13 T 4 R 25 ~~E~~ 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
DST #1 3559--3590, 30-45-30-30. Very wk. blow, died in 30". R-18'M w/FSO. FP's 19-39, SIP's 905-768			Sample Tops: Anhydrite	2118 (+ 414)
			B/Anhydrite	2149 (+ 383)
			Topeka	3227 (- 695)
DST #2 3606--30, 30-30-30-30. R-5'M FP's 19-19, SIP's 27-27			Heebner	3550 (--1018)
			Toronto	3576 (-1044)
			Lansing	3591 (-1059)
DST #3 3625-80, 30-30--30-30, Wk. blow died in 2" R--10'M. FP's 39-39, SIP's 79-79.			Electric Log Tops:	
			Anhydrite	2118 (+ 414)
			B/Anhydrite	2148 (+ 384)
			Topeka,	3228 (-- 1696)
DST #4 3686-3760, 30-45-30-45. Wk. incr. to str. blow. R-300' GIP, 120' Cl. O, 120' MCO, 180' OCM. FP's 79-217 SIP's 415--395			Heebner	3549 (-1017)
			Toronto	3578 (-1046)
			Lansing	3590 (-1058)
			B/KC	3780 (-1248)
			E/ Arbuckle	3941 (-1409)
			LTD	3982 (-1450)
			RTD	3980

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

Date Received

Signature

President

Title

January 14, 1981

Date

13-A-725

13-4-25W

CONTRACTOR'S WELL LOG

State Geological Survey
WICHITA, KANSAS

OPERATOR: F & M Oil Company
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: SMITH #1
 LOCATION: NE SE NW, Section 13-4S-25W
 Norton County, Kansas
 SPUD DATE: 11/17/80
 COMPLETION DATE: 11/24/80

0	354	Shale & Sand
354	2118	Shale
2118	2149	Anhydrite
2149	2565	Shale
2565	3590	Shale & Lime
3590	3980	Lime
	3980	Rotary Total Depth

Spud hole @ 5:15 p.m. 11/17/80. Drilled 275' of a 12- $\frac{1}{4}$ " hole. Ran 6jts. of 8-5/8" 20# casing (tally 265.51;). Set @ 274'. Cemented with 200 sx. of common, 2% gel, 3% c.c. Cement did circulate. Plug was down @ 10:00 p.m. 11/17/80. Drilled plug @ 6:10 a.m. 11/18/80. 7:00 a.m. 11/18/80 drilling @ 355'.

T.D. @ 3980'. Ran 96 jts. of a 4 $\frac{1}{2}$ " 9 $\frac{1}{2}$ # casing (tally 3859.58'), set at 3847.50', cemented with 100 sx. of 60/40 posmix (10% salt) 5 sx. of salt flush, plug was down at 12:00 noon 11/24/80.

SAMPLE TOPS:

Anhydrite 2118'
 Anhydrite 2149'

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 SMITH #1, NE SE NW, Section 13-4S-25W, Norton County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: *Jack L. Partridge*
 Jack L. Partridge, Asst. Sec./Treas.