

WICHITA BRANCH
KANSAS DRILLERS LOG

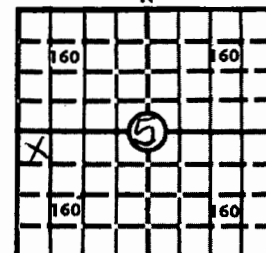
IMPORTANT
Kans. Geo. Survey request
samples on this well.

8-5-21W

S. 5 T. 5 R. 21 X W

Loc. NW NW SW

County NORTON

640 Acres
N

Locate well correctly

Elev.: Gr.

2022

DF KB 2027

API No. 15 — 137 — 20,164
County Number

Operator

F & M Oil Co.

Address

422 Union Ctr., Wichita, KS 67202

Well No.

1

Lease Name

Hockman

Footage Location

330 feet from (N) (E) line 330 feet from (E) (W) line

Principal Contractor

Murfin Drilling

Geologist

Jim Jessee

Spud Date

December 22, 1979

Total Depth

3500

P.B.T.D.

Date Completed

December 31, 1979

Oil 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 1/4"	8-5/8		262	common	190	2% gel, 3% Ca. Cl

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
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
F & M Oil Co., Inc.

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

Well No.
1

Lease Name
Hockman

S 5 T 5 R 21 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
Drill Stem Test #1 3283-3303. Wk. blow. Rec. 10'M. FP's 29-29, SIP 787-561			Sample Tops:	
			Anhydrite	1652 (+ 375)
			B/Anhydrite	1681 (+ 346)
			Topeka	2098 (- 961)
			Heebner	3187 (-1160)
			Lansing	3228 (-1201)
			Arbuckle	3475 (-1445)
DST #2 3344-54, 20-20-20-20. Rec. 1'M. FP's 22-22 SIP -same				
DST #3 3380-3420, 20-20-20-20. Rec. 5'OCM. FP's 36-36 SIP's 192-44			Electric Log	
			Anhydrite	1650 (+ 377)
			Topeka	2986 (- 959)
			Heebner	3185 (-1158)
			Toronto	3210 (-1183)
			Lansing	3224 (-1197)
			B/KC	3412 (-1385)
			Arbuckle	3474 (-1447)
	0	35	Sand	
	35	263	Shale	
	263	1180	Shale, clay & sand	
	1180	1355	Sand	
	1355	1652	Sand & Shale	
	1652	1681	Anhydrite	
	1681	1700	Shale	
	1700	2270	Sand & Shale	
	2270	2550	Shale	
	2550	3060	Shale and lime	
	3060	3220	Lime	
	3220	3303	Shale & Lime	
	3303	3420	Lime	
	3420	3470	Lime	
	3470	3500	Lime and shale	

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

Date Received

C. A. Zeposki
Signature

President

Title

January 18, 1980

Date

2-2-91M

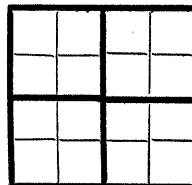
WELL LOG

15-137-20164-00-00

COMPANY F & M OIL COMPANY, INC.
FARM HOCKMAN NO. 1
RIG. NO. 16
TOTAL DEPTH 3500'
COMM. 12-22-79 COMP. 12-31-79
CONTRACTOR Murfin Drilling Company

SEC. 5 T. 5S R. 21W
LOC. NW NW SW

COUNTY Norton KANSAS



CASING
20 10
15 8-5/8" csg. set @ 262' w/190 sx. of
12 6 Common, Quickset.
13 5

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

35' Sand
263' Shale (Blue)
1180' Shale & Clay & Hard Sand
1355' Sand
1652' Sand & Shale
1681' ANHYDRITE
1700' Shale
2270' Sand & Shale
2550' Shale
3060' Shale & Lime
3220' Lime
3303' Shale & Lime
3354' Lime
3420' Shale & Lime
3470' Lime
3500' Lime & Shale

RECEIVED
STATE DEPT. OF REVENUE
1-9-80
JAN - 9 1980
GEO. PATTON, CLERK
Linda Lynch

State of KANSAS
County of SEDGWICK ss:

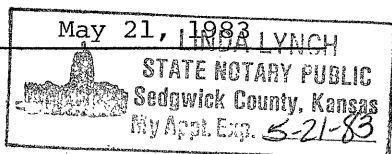
I, Wm. S. Shropshire, Asst. Gen. Mgr. of the MURFIN DRILLING Company

upon oath state that the above and foregoing is a true and correct copy of the log of the HOCKMAN #1 well.

Wm. S. Shropshire
Wm. S. Shropshire, Asst. Gen. Mgr.

Subscribed and sworn to before me this 7th day of January 19 80

My Commission Expires:



Linda Lynch
Linda Lynch NOTARY PUBLIC