

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

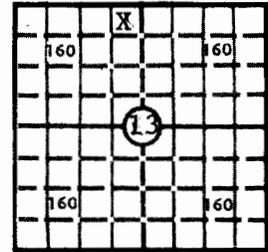
15-145-20492

S. 13 T. 23 R. 15 K
W

Loc. NE NE NW

County Pawnee

640 Acres
N



Elev.: Gr. 1973

DF 1975 KB 1978

API No. 15 — 145 — 20,492
County Number

Operator
F & M Oil Co.

Address
505 Union Center Wichita, Kansas 67202

Well No. #1 Lease Name Estes

Footage Location
330 feet from (N) line 330 feet from (E) line

Principal Contractor B & B Drilling Co., Inc. Geologist Bob Gebhart

Spud Date December 23, 1977 Total Depth 4011' P.B.T.D.

Date Completed January 7, 1978 Oil Purchaser Central States

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		8-5/8"		494	300	common	2% gel, 3% Ca. Cl.
Production		4-1/2"		3097'	150	common	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	.42	2951'-2954'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal. 15% mud acid	

INITIAL PRODUCTION

Date of first production January 19, 1979		Producing method (flowing, pumping, gas lift, etc.) flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas 300	Water MCF	Gas-oil ratio bbls.	CFPB
Disposition of gas (vented, used on lease or sold) 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 316-522-2205. 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, S.W.D., ETC.:

gas

Well No.

1

Lease Name

Estes

S 13 T 23S R 15W 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 1904-58 30-30-30-30. Rec. 100' MW BPH's 281-207, FP's 59-88.			Anhydrite	908 (+1070)
#2 2078-90 30-30-30-30 Fair blow t/o test. Rec. 75' MW. FP's 22-36, SIP's 524-539			Base	932 (+1046)
#3 2814-2910 30-45-60-45 Gas to surface in 28". Gas gauge on 2nd opening:			Winfield	1979 (- 1)
10 min. 31MCF			Towanda	2045 (- 67)
20 min 44			Ft. Riley	2077 (- 99)
30 min. 63			Florence	2137 (- 159)
40 min. 73			Neva	2447 (- 469)
50 min. 82, rec. 550' gassy water, FP's 118-221, SIP's 1063-1027.			Americas	2617 (- 639)
#4 2934-70 30-45-90-45 Gas to surface in 10" =rec. 250' MW. Gas gauge on 1st open.			Tarkio	2810 (- 822)
15 min. 122 MCF			Heebner	3410 (-1432)
20 min. 143			Toronto	3432 (-2454)
25 min. 177			Brown Lime	3543 (-1565)
30 min 211			Lansing	3555 (-1577)
Gas gauge on 2nd opening:			B/KC	3791 (-1813)
10 min. 301 MCF	0	385	Conglomerate	3882 (-1904)
20 min. 324	385	434	Viola	3903 (-1925)
30 min 324	434	506	Shells & Shale	
40 min. 346	506	908	Sand	
50 min. 359	908	914	Shale	
60 min. 372	914	2997	Shale, sand & shells	
70 min. 386	2997	3477	Anhydrite	
80 min 395	3477	3935	Shale	
90 min 397 FP's 51-147 SIP's 1063-1020	3935	4004	Lime & shale	
#5 2976-3050 30-30-30-30 Wk blow t/o test Rec. 150' MW FP's 59-103, SIP's 983-911	4004	4011	Lime	
#6 3712-35, 30-45-60-45 Rec. 60' O&GCMW 180' SL.O&GCMW. FP's 81-147, SIP's 1150 1136			Chert & Shale	
#7 3740-70 30-45-60-45. Fair to wk. blow Rec. 350' gas, 30' SL.O&GCM. FP's 56-56 SIP's 655 -244, 120' O&GCM.			Lime	
#8 3840-3935, 30-45-60-45 Strong blow t/o test. Rec. 90' SL.GCM. FP's 81-81 SIP's 110-110.			RTD	

(Con't)

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

Date Received

MA-Joe Rawls

Signature

President

Title

6-1-49

Date

521821