

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5313
name F. & M. OIL CO., INC.
address 422 Union Center
Wichita, Kansas 67202
City/State/Zip

Operator Contact Person R. D. Messinger
Phone (316) 262-2636

Contractor: license # 5422
name Abercrombie Drilling, Inc.

Wellsite Geologist Bob Gebhart
Phone (316) 267-7209

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator N/A
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
1-14-84 1-21-84 6-08-84
Spud Date Date Reached TD Completion Date
3865' 3826'
Total Depth PBD

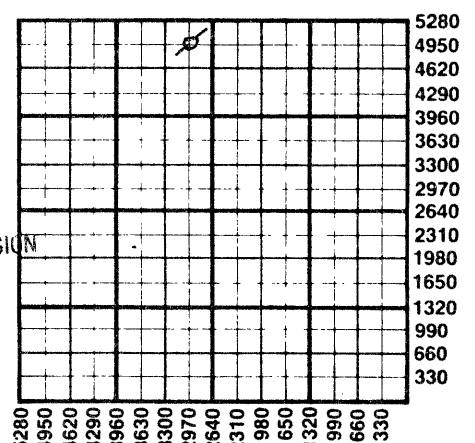
Amount of Surface Pipe Set and Cemented at 386' w/250 feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set N/A feet
If alternate 2 completion, cement circulated from N/A feet depth to w/ SX cmt

API NO. 15 - 065-21,920 -0000
County Graham
NE NE NW Sec 16 Twp 6S Rge 23W East West

(location) 4950' Ft North from Southeast Corner of Section
2970' Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Worcester "A" Well# 1
Field Name N/A
Producing Formation Lansing
Elevation: Ground 2412' KB 2417'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JUL 27 1984
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater 990' Ft North From Southeast Corner of (Well) 3300' Ft. West From Southeast Corner Sec 13 Twp 6S Rge 23W East West
 Surface Water Ft North From Southeast Corner of (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West
 Other (explain) ... Erv-Hardman (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
No water produced.
Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature R. D. Messinger
Title Vice-President Date 7-26-84

Subscribed and sworn to before me this 26th day of July 1984
Notary Public Shirley A. Gallegos
Date Commission Expires 12-24-84 Shirley A. Gallegos

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify) TA

Sec. 16, Twp. 6, Rge. 23W

Operator Name F & M OIL CO., INC. Lease Name Worcester "A" 1 Well# 16 SEC 6S TWP 23W RGE East
 East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Interval	Depth	Description
0 - 388	388	Clay, Sand & Shale
388 - 1437	1437	Shale & Sand
1437 - 2083	2083	Shale
2083 - 2117	2117	Anhydrite
2117 - 2874	2874	Shale
2874 - 3547	3547	Shale & Lime
3547 - 3865	3865	Lime
3865 -		RTD

Name	Top	Bottom
<u>Sample Tops:</u>		
Anhydrite	2083 (+ 334)	
B/Anhydrite	2117 (+ 300)	
Topeka	3416 (- 999)	
Heebner	3613 (-1196)	
Toronto	3639 (-1222)	
Lansing	3656 (-1239)	
B/KC	3848 (-1431)	
RTD	3865 (-1448)	

DST#1 3619-3660', Toronto & Top Lns.
 30-45-30-45, fr to stg blow on both opns, rec 625' SMW w/a show of oil in btm recorder, IFP 73-189#, ISIP 1237#, FFP 252-315#, FSIP 1175#, BHT 106°, pit chl. 3000 ppm, DST chl 54,000 ppm.

<u>Electric Log Tops:</u>		
Anhydrite	2086 (+ 331)	
B/Anhydrite	2119 (+ 298)	
Topeka	3417 (-1000)	
Heebner	3614 (-1197)	
Toronto	3639 (-1222)	
Lansing	3656 (-1239)	
B/KC	3844 (-1427)	
LTD	3865 (-1448)	

DST#2 3674-3695', Lns. 30' & 40' zones
 30-45-30-45, stg blow thruout, rec 2400' SMW, IFP 157-735#, ISIP 1310#, FFP 819-1102#, FSIP 1310#, BHT 109°, pit chl 3000 ppm, DST chl. 57,000 ppm.

DST#5 3728-3741', 80-90' zones (G) stradd
 30-45-30-45, stg blow thruout, rec 250' SGO, 120' MGO, grav. 36° corrected, rec 180' MW, pit chl. 4000 ppm, DST chl. 54,000 ppm, IFP 52-168#, ISIP 1216#, FFP 231-252#, FSIP 1175#, BHT 107°.

DST#4 3758-3808', Lns. 120' & 150' zones
 30-45-60-45, wk steady blow thruout, rec 90' WM, IFP 63-52#, ISIP 1185#, FFP 73-37#, FSIP 808#, BHT 106°.

DST#5 3730-3740', Lns. 80-90' zones (G)
 Straddle test, top packer seat failed, miss-run.

RELEASED
 7-11-85
 JUL 11 1985
 FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface	12 1/2"	8-5/8"	20#	386'	Common	250	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	3864'	Common	125	4% gel, 6% BJ mud, 75% CC, 500 gals mud.

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record <small>sweep</small>	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4	3732-3734'	500 gals 15% SGA-200, 1000 gals MOD-202 w/5% servisol	3732-34'

TUBING RECORD			
size	2-3/8" set at	3778' packer at	None
Liner Run		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)			
Estimated Production per 24 Hours	Oil	Gas	Water	Gravity
	Bbls	MCF	Bbls	CFPB

Method of Completion: open hole perforation other (specify) _____
 Production Interval: Dually Completed. Commingled. Temporarily Abandoned