

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 31409
Name: M M Energy, Inc.
Address: 1900 SE 15th St., 700-B
City/State/Zip: Edmond, OK 73013
Purchaser: Oneok
Operator Contact Person: Ceth Loomis
Phone: (405) 340-9000
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: None
Designate Type of Completion:
☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back _____ Plug Back Total Depth _____
☐ Commingled _____ Docket No. _____
☐ Dual Completion _____ Docket No. _____
☐ Other (SWD or Enhr.?) _____ Docket No. _____

10/21/02 10/23/02 10/29/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 075-20797-00-00
County: Hamilton
C SW Sec. 3 Twp. 21 S. R. 41 ☐ East ☒ West
1320 feet from S / N (circle one) Line of Section
1320 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Katterjohn Well #: 2
Field Name: Bradshaw
Producing Formation: Chase
Elevation: Ground: 3705 Kelly Bushing: _____
Total Depth: 3200' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 320' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 3199'
feet depth to surface w/ 350 sx cmt.

Drilling Fluid Management Plan ALT 2 JWH 7/22/03
(Data must be collected from the Reserve Pit)
Chloride content 4000 ppm Fluid volume 100 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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: [Signature]
Title: Vice President Date: 3/26/03
Subscribed and sworn to before me this 26 day of March

[Signature]
Notary Public
Date Commission Expires: 3-28-05

KCC Office Use ONLY

☐ Letter of Confidentiality Attached
☒ If Denied, Yes ☐ Date: _____
☒ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	☐ Yes ☒ No	Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	Yes ☒ No	Chase	2600'	
Electric Log Run (Submit Copy)	☒ Yes No			
List All E. Logs Run:	Density/neutron, Microlog			

CASING RECORD							
				New	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 1/4	8 5/8	23#	320'	Class H	135	2% BENTONITE + 2% CaCl ₂
Production	7 7/8	5 1/2	17#	3200'	Class H	350	4% BENTONITE 2% CaCl ₂

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2766-2838	Acidize 1000gal 15%, 30000 sand Frac	

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No	X
		2 3/8	2697					
Date of First, Resumed Production, SWD or Enhr. 1/28/03			Producing Method					
			Flowing	X	Pumping	Gas Lift	Other (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		150		150			

Disposition of Gas METHOD OF COMPLETION Production Interval 2766'-2838'

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. Dually Comp. ☐ Commingled

(If vented, Sumit ACO-18.) ☐ Other (Specify)