

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15
007-23792-0000

Company M&M Exploration, Inc.		Lease Z Bar		Well Number 18-13	
County Barber	Location SW/4	Section 18	TWP 34S	RNG (EW) 14W	Acres Attributed 160
Field Aetna Gas Area		Reservoir Mississippian		Gas Gathering Connection ONEOK	
Completion Date 2/9/2012		Plug Back Total Depth 5068		Packer Set at None	
Casing Size 4.5	Weight 10.5	Internal Diameter 4.052	Set at 5103	Perforations 4849	To 4908
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) Single (Gas)	Type Fluid Production Saltwater/Crude	Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Annulus	% Carbon Dioxide 0.0832	% Nitrogen 0.6783	Gas Gravity - G _g .6094
Vertical Depth(H)	Pressure Taps		(Meter Run) (Prover) Size

Pressure Buildup: Shut in March 13 2012 at 6:00 (AM) (PM) Taken March 14 2012 at 6:00 (AM) (PM)
Well on Line: Started _____ 20____ at _____ (AM) (PM) Taken _____ 20____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						565	579.4				
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_o)² = _____ ; (P_w)² = _____ ; P_a = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_o)² = 0.207 ; (P_g)² = _____

(P _o) ² - (P _w) ² or (P _o) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _o ² - P _w ² divided by: P _o ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_o^2 - P_w^2}{P_o^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow **Mcfd @ 14.65 psia** Deliverability **Mcfd @ 14.65 psia**

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11th day of April

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Werner

APR 16 2012

Witness (if any)

For Company

For Commission

Checked by

KCC-WICHITA

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Z Bar 18-13 gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. _____
- is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: April 11, 2012

Signature: *And M WT*

Title: President

Instructions: If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

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DATE	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Mar-1					0.00				
Mar-2					0.00				
Mar-3					0.00				
Mar-4					0.00				
Mar-5					0.00				
Mar-6		570			0.00				
Mar-7		570	35	12	73.78			24	turned to sales
Mar-8		550	35	12	73.78	147.56	147.56	24	9/64", hooked up methanol pump
DATE	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Mar-9		522	50	80	113.84			12	10/64"
Mar-10		510	50	82	230.51			24	10.5/64"
Mar-11		510	50	85	234.69			24	
Mar-12		490	50	82	230.51			24	
Mar-13		435	50	80	170.76			18	
Mar-14		565	70	60	0.00			0	Oneok down
Mar-15		510	53	80	234.42			24	10/64"
Mar-16		455	51	75	222.65	1437.38	1584.94	24	
DATE	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Mar-17		450	50	75	220.45			24	10.5/64'
Mar-18		402	50	55	188.79			24	11/64"
Mar-19		560	75	75	90.00			8	
Mar-20		455	53	72	222.39			24	
Mar-21		380	52	70	217.20			24	
Mar-22		360	50	68	209.91			24	11.5/64"
Mar-23		320	50	70	212.98			24	12/64"
Mar-24		305	50	65	205.23	1566.95	3151.89	24	12.5/64"
DATE	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Mar-25		260	50	65	205.23			24	13/64"
Mar-26		240	50	65	205.23			24	14/64"
Mar-27		210	50	70	212.98			24	15/64"
Mar-28		180	45	70	202.05			24	16/64"
Mar-29		150	45	70	202.05			24	
Mar-30		150	45	70	202.05			24	17/64"
Mar-31		132	45	65	194.70	1424.29	4576.18	24	20/64"
TOTAL GAS PROD		4576.18		MCF avg	147.62				Fluid goes to the 24-1

M & M EXPLORATION, INC.

Michael N. Austin, President

4257 MAIN ST., SUITE 230
WESTMINSTER, CO 8031

Phone (303)438-1991
Fax (303)466-6227

April 12, 2012

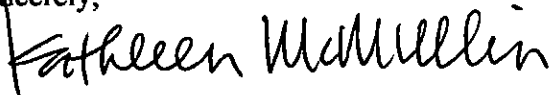
Kansas Corporation Commission
Oil & Gas Conservation Division
Attn: Jim Hemmen
130 S. Market--Room 2078
Wichita, KS 67202

RE: Submittal of Form G-2 on the Z Bar 18-13, Section 18-34S-14W, Barber County, Kansas
API # 15-007-237920000

Dear Mr. Hemmen,

Enclosed is the G-2 Form for the Z Bar 18-13 well in Barber County, Kansas. Also included are the pumper reports and the gas analysis report, as requested. Please let me know if there is any other information that you need.

Sincerely,



Kathleen McMullin
Office Manager

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