

**M & M EXPLORATION, INC.**

Michael N. Austin, President

4257 MAIN ST., SUITE 230  
WESTMINSTER, CO 8031

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

June 29, 2011

RECEIVED  
JUN 30 2011  
KCC WICHITA

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 24-9, Section 24-34S-15W, Barber County, Kansas  
API # 15-007-236110000

Dear Mr. Hemmen,

Enclosed is the G-2 Form for the Z Bar 24-9 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

# 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  
007236110000

Company <b>M &amp; M Exploration, Inc.</b>			Lease <b>Z Bar</b>		Well Number <b>24-9</b>
County <b>Barber</b>	Location <b>NE/4 SE/4</b>	Section <b>24</b>	TWP <b>34S</b>	RNG (E/W) <b>15W</b>	Acres Attributed <b>160</b>
Field <b>Aetna</b>		Reservoir <b>Mississippian</b>	Gas Gathering Connection <b>ONEOK</b>		
Completion Date <b>January 7, 2011</b>		Plug Back Total Depth <b>5021'</b>	Packer Set at <b>None</b>		
Casing Size <b>4.5</b>	Weight <b>11.6</b>	Internal Diameter <b>4.0</b>	Set at <b>5050'</b>	Perforations <b>4825'</b>	To <b>4909'</b>
Tubing Size <b>2.375</b>	Weight <b>4.7</b>	Internal Diameter <b>1.995</b>	Set at <b>4860'</b>	Perforations <b>None</b>	To
Type Completion (Describe) <b>Single (Gas)</b>		Type Fluid Production <b>Saltwater/Crude</b>	Pump Unit or Traveling Plunger? <b>Yes / No</b> <b>No</b>		
Producing Thru (Annulus / Tubing)		% Carbon Dioxide	% Nitrogen	Gas Gravity - $G_g$	
Tubing		<b>.0564</b>	<b>1.1858</b>	<b>.6466</b>	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

RECEIVED  
JUN 30 2011  
KCC WICHITA

Pressure Buildup: Shut in March 27 2011 at 6:00 (AM) (PM) Taken April 5 2011 at 9:00 (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 Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						1395	1409.4	1320	1334.4		
Flow											

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>v</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>dv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>w</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	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 29th day of June 2011

Witness (If any)

For Company

For Commission

Checked by

*McM*

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 24-9 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: June 29, 2011

Signature: 

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.

# MEASUREMENT SOLUTIONS INC.

6705 East 81st Street Suite 155 Tulsa, OK 74133  
 Telephone 918-493-2700 Fax 918-493-2704

Page 89

5/24/2011

## GAS ANALYSIS REPORT

<b>METER NUMBER :</b>	999999	<b>SAMPLE TYPE :</b>	SPOT
<b>METER NAME :</b>	Z BAR 24-9	<b>SAMPLE DATE :</b>	05/11/2011
<b>METER ID :</b>	M & M EXPLORATION	<b>SAMPLE PRES / TEMP :</b>	49 / 66
<b>PRODUCER :</b>	M & M EXPLORATION	<b>SAMPLED BY :</b>	GM
<b>COMPANY :</b>	M & M EXPLORATION	<b>EFFECTIVE DATE :</b>	05/01/2011

<u>COMPONENT</u>	<u>PERCENT</u>	<u>BTU VALUES @ 14.65</u>		<u>BTU VALUES @ 14.73</u>	
Helium He	0.0524	REAL DRY	1129.58	REAL DRY	1135.75
Oxygen O2	0.0000	REAL WET	1109.81	REAL WET	1115.87
Hydrogen Sulfide H2S	0.0000				
Carbon Dioxide CO2	0.0564				
Nitrogen N2	1.1858				
Methane C1	90.2528	<u>GPM VALUES @ 14.65</u>		<u>GPM VALUES @ 14.73</u>	
Ethane C2	4.5768	C2	1.2167	C2	1.2233
Propane C3	1.6432	C3	0.4500	C3	0.4524
I-Butane iC4	0.2091	iC4	0.0680	iC4	0.0684
N-Butane nC4	0.5271	nC4	0.1653	nC4	0.1662
I-Pentane iC5	0.1617	iC5	0.0589	iC5	0.0592
N-Pentane nC5	0.2394	nC5	0.0862	nC5	0.0867
Hexane Plus C6+	1.0953	C6+	0.4752	C6+	0.4778
TOTALS	100.0000		2.5203		2.5340

### SPECIFIC GRAVITY

REAL DRY 0.6466  
 REAL WET 0.6462

### COMPRESSIBILITY FACTOR

Z FACTOR DRY 0.9974  
 Z FACTOR WET 0.9973

### GALLONS PER THOUSAND

#### GPM TOTALS @ 14.65

C2 + GPM 2.5203  
 C3 + PGM 1.3036  
 C4 + GPM 0.8536  
 C5 + GPM 0.6203

#### GPM TOTALS @ 14.73

C2 + GPM 2.5340  
 C3 + PGM 1.3107  
 C4 + GPM 0.8583  
 C5 + GPM 0.6237

RECEIVED  
 JUN 30 2011  
 KCC WICHITA

COMMENTS :

RECEIVED  
 JUN 30 2011  
 KCC WICHITA

DATE	TANK	INCHES	DAILY PROD	RUNS	TICKET NUMBER	SOLD FROM TANK	WKLY OIL	PROD THIS MONTH	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Apr-1				0								15	0	0.00		24	
Apr-2				0										0.00		24	
Apr-3				0										0.00		24	
Apr-4				0										0.00		24	
Apr-5				0								55	30	169.39		12	
Apr-6				0						260	1135	52	4	120.28		24	14/64" choke
Apr-7				0						235	1122	52	4	120.28		24	
Apr-8				0				0	0	260	1110	51	5	133.18	543.13	543.13	24
Apr-9				0						222	1090	53	30	143.55		24	chg plate to 3/4"
Apr-10				0						300	1070	50	20	113.84		24	
Apr-11				0						480	1110	50	20	113.84		24	
Apr-12				0						378	1115	52	30	142.19		24	
Apr-13				0						330	1018	52	32	146.85		24	
Apr-14				0						430	978	52	32	146.85		24	
Apr-15				0						400	990	52	32	146.85		24	
Apr-16				0				0	0	360	975	52	32	146.85	1100.83	1643.96	24
Apr-17				0						420	965	53	32	148.26		24	
Apr-18				0						370	950	53	32	148.26		24	
Apr-19				0						370	938	53	32	148.26		24	
Apr-20				0						270	920	53	32	148.26		24	
Apr-21				0						280	918	53	32	148.26		24	
Apr-22				0						200	910	53	32	148.26		24	
Apr-23				0						380	900	53	33	150.56		24	
Apr-24				0				0	0	270	890	52	33	149.13	1189.23	2833.18	24
Apr-25				0						270	890	53	33	150.56		24	
Apr-26				0						220	880	51	31	143.14		24	
Apr-27				0						220	880	52	30	142.19		24	
Apr-28				0						278	880	51	30	140.81		24	
Apr-29				0						238	880	50	30	139.43		24	
Apr-30				0						260	880	51	30	140.81		24	14/64"
														856.94	3690.13		
TOTAL GAS PRODUCED			3690.13	MCF avg		123.00											
TOTAL OIL PRODUCED			BOPD avg														
TOTAL OIL SOLD																	
TOTAL WTR PRODUCED			BWPD avg														
															Fluid goes to the 24-1		

DATE	TANK	INCHES	DAILY PROD RUNS	TICKET NUMBER	SOLD FROM TANK	WKLY OIL	PROD THIS MONTH	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
May-1			0						200	865	52	30	142.19		24	14.5/64"
May-2			0						242	860	50	30	139.43		24	
May-3			0						98	858	50	40	161.00		24	
May-4			0						350	838	50	40	161.00		24	
May-5			0						140	842	50	50	180.00		24	17/64"
May-6			0						205	808	50	50	180.00		24	
May-7			0						285	810	50	50	180.00		24	
May-8			0				0	0	160	785	50	50	180.00	1323.61	1323.61	24
May-9			0						270	790	50	50	180.00		24	
May-10			0						110	790	50	50	180.00		24	18/64"
May-11			0						220	775	50	50	180.00		24	
May-12			0						140	760	50	50	180.00		24	
May-13			0						158	758	50	50	180.00		24	
May-14			0						200	770	50	50	180.00		24	
May-15			0						140	760	50	50	180.00		24	19/64"
May-16			0				0	0	150	745	50	50	180.00	1440.00	2763.61	24
May-17			0						230	750	50	50	180.00		24	
May-18			0						120	738	50	50	180.00		24	
May-19			0						222	755	50	50	180.00		24	
May-20			0						200	740	50	50	180.00		24	
May-21			0						82	740	50	50	180.00		24	
May-22			0						130	730	50	50	180.00		24	
May-23			0						165	725	50	50	180.00		24	
May-24			0				0	0	88	718	50	50	180.00	1440.00	4203.61	24
May-25			0						105	720	47	50	174.52		24	
May-26			0						110	705	47	50	174.52		24	
May-27			0						130	718	45	50	170.76		24	
May-28			0						120	730	45	50	170.76		24	
May-29			0						120	735	37	50	154.84		24	22/64"
May-30			0						150	718	37	50	154.84		24	
May-31			0				0	0	130	722	37	50	64.52	1064.76	5268.37	10 SI oneok down
TOTAL GAS PRODUCED			5268.37	MCF avg		169.95										
TOTAL OIL PRODUCED			BOPD avg													
TOTAL OIL SOLD																
TOTAL WTR PRODUCED			BWPD avg		Fluid goes to the 24-1											

RECEIVED  
 JUN 30 2011  
 KCC WICHITA

DATE	TANK	INCHES	DAILY PROD	RUNS	TICKET NUMBER	SOLD FROM TANK	WKLY OIL	PROD THIS MONTH	TBG	CSG	LP	DIFF	MCF	WKLY GAS	TOTAL GAS MO.	HRS. ON	REMARKS
Jun-1			0							842	842	75	20	139.43			24 8/64"
Jun-2			0							378	800	50	15	98.59			24 15/64"
Jun-3			0							140	778	45	12	83.66			24 18/64"
Jun-4			0							125	760	45	10	76.37			24
Jun-5			0							120	745	45	10	76.37			24 19/64"
Jun-6			0							80	738	45	15	93.53			24 22/64"
Jun-7			0							85	718	45	20	108.00			24
Jun-8			0				0	0	0	110	738	45	20	108.00	783.94	783.94	24
Jun-9			0							90	715	45	20	108.00			24
Jun-10			0							95	735	45	20	108.00			24 24/64
Jun-11			0							80	730	45	20	108.00			24
Jun-12			0							80	700	45	18	102.46			24 25/64
Jun-13			0							78	700	45	18	102.46			24
Jun-14			0							80	710	45	18	102.46			24
Jun-15			0							80	685	46	20	109.19			24
Jun-16			0				0	0	0	80	700	46	20	109.19	849.76	1633.70	24
Jun-17			0							78	715	46	20	54.60			12
Jun-18			0											0.00			
Jun-19			0											0.00			
Jun-20			0											0.00			
Jun-21			0											0.00			
Jun-22			0											0.00			
Jun-23			0											0.00			
Jun-24			0				0	0	0					0.00	54.60	1688.30	
Jun-25			0											0.00			
Jun-26			0											0.00			
Jun-27			0											0.00			
Jun-28			0											0.00			
Jun-29			0											0.00			
Jun-30			0											0.00			
			0				0	0	0					0.00	0.00	1688.30	
<b>TOTAL GAS PRODUCED</b>			<b>1688.30 MCF avg</b>														
<b>TOTAL OIL PRODUCED</b>			<b>BOPD avg</b>														
<b>TOTAL OIL SOLD</b>																	
<b>TOTAL WTR PRODUCED</b>			<b>BWPD avg</b>		Fluid goes to the 24-1												

RECEIVED  
JUN 30 2011  
KCC WICHITA