Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(See Instruct	tions on Re	everse Side))					
Open Flow Deliverabilty				Test Date	Test Date:				API No. 15 15007228820000					
Company M & M Exploration, Inc.					Lease Z Bar				16-7	Well Number 16-7				
County Location Barber 2000 FNL, 1375 FEL			Section 16		TWP 34			E/W)		Acres Attributed 160				
Field Aetna Gas			Reservoir Mississi			Gas Gathering Con ONEOK			ection	RECEIVE				
Completic 4/23/06	n Date				Plug Bac 5030'	k Total Dept	th	NOne		Set at		OCT 1 8 2012		
4.5					Internal (4.052	Diameter	Set at 5030'		Perfor 474 2	rations 2	то 4750	KC	C WICHIT	
Tubing Size 2.375		Weight 4.7			Internal [1.995	Diameter Set at 4750'			Perforations		То			
Type Com Single ((Describe)			Type Flui Saltwa	id Production I ter	n			nit or Traveling ing Plunge		/ No		
Producing Thru (Annulus / Tubing) Tubing					% Carbon Dioxide 0.089				% Nitrog 1.358	en		Gas Gravity - G _g 0.614		
Vertical Depth(H) 4750				Pressure Taps Flange							(Meter 2.067		over) Size	
Pressure	Buildup:	Shut in	Feb.	11 2	0 12 at 9	:30	(AM) (PM)	Taken_F	eb. 12	20	12 _{at} 9:30	(A	M) (PM)	
Well on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(A	M) (PM)	
		····				OBSERVE	D SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	Orifice Size (inches	ze Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (f	sing I Pressure P _r) or (P _c)	Wellhe	fubing ad Pressure r (P _t) or (P _c)	Duration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In				2			120	134.4	psig 93	psia 107.4				
Flow														
	· · · · · ·	0: 1			<u> </u>	FLOW STR		RIBUTES						
Plate Coeffieci (F _b) (F Mcfd	ient ,)	Circle one Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fac F		Flowing Temperature Factor F ₁₁		viation Metered Flow actor R F _{pv} (Mcfd)		w GOR (Cubic Fe Barrel)	· 1	Flowing Fluid Gravity G _m	
	<u></u>				(ODEN EI	OW) (DELIV	EDARII ITY	V) CALCUI	ATIONS			<u>_</u>		
(P _c) ² =		: (F	⊃ <u></u>)² =	:	P _d =	, ,		P _c - 14.4) +		:		$0^2 = 0.20$ $0^2 = $		
(P _c) ² - (F)²	(P _c) ² - (P _w) ²		coose tormula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ coded by: $P_c^2 - P_w^2$ LOG of formula 1. or 2. and divide by:			Backpressure Curvi Slope = "n" or Assigned Standard Slope			LOG	Antilog	Deliv Equals 1	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia					65 psia		Deliverability				Mcfd @ 14.65 psia			
	-		-	behalf of the	Company,						ort and that he ha			
the facts s	tated the	erein, and t	hat said	l report is true	e and correc	t. Executed	this the <u>9</u>	<u>ып</u>	day of <u>u</u>	n w	<u> </u>	, 20	0 12 .	
		w	itness (if a	ny)				/	viv		Company			
		Fo	r Commiss	sion						Che	cked by			

OCT 1 8 2012

KCC WICHITA

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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 16-7
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.
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- Ortobar 0, 2042
Date: October 9, 2012
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.