KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			((See Instruc	tions on Re	everse Side	e)				
Op	en Flow		·	Took Date	. .			ADV	No. 45			
De	eliverabilty			Test Date	e:				No. 15 - 23136-0 0	000		
Company M & M Exploration, Inc.				Lease Z Bar							Well Number	
			ation FNL & 660 FWL	Section FWL 15 .		TWP 34		RNG (E/W) 15W			Acres Attributed	
Aetna Gas				sippian	·	Gas Gathering Co ONEOK			ction	1		
Completion Date 6/23/07				Plug Bac 5080	k Total Dep	th			Packer Set at None			
Casing S 5.5		Weig 15.5		Internal Diameter 4.950		Set at 5105'		Perforations 4804'		то 4850 '		
Tubing Si 2.375	ize	Weight 4.7		Internal Diameter 1.995		Set at 4800		Perforations		То		
Single, (id Production ater/Crude			Pump Uni Pump l		Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen		Gas Gravity - G _g	
Annulus				0.063			4.285		0.665			
Vertical D	Pepth(H)				Pres	sure Taps	•			(Meter F	Run) (Prover) Size	
Pressure	Buildup:	Shut in	anuary 27	0 10 at 1	1:00	(AM) (PM)	Taken_Ja	anuary 2	B 20	10 at 11:00	(AM) (PM)	
Well on Line:		Started	tarted 20) at		(AM) (PM) Taken		20	at	(AM) (PM)	
		Circle	D.		OBSERVE	D SURFAC				Duration of Shut-i	in Hours	
Static / Orifice Dynamic Size		Circle one Meter Prover Pres	Differential	Flowing Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)	
Property Shut-In	(inches)	psig (Pm	n) Inches H ₂ 0	t	t	psig	psia 75.4	psig	psia	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Flow						61	75.4					
					FLOW STR	REAM ATTR	IBUTES	<u> </u>	• • •			
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{rt}		riation actor	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
					•					*		
					OW) (DELIV					(P _a) ²	?= 0.207	
(P _c) ² =	:	(P _w) ²	Chaose formula 1 or 2			% (F	P _c - 14.4) +	14.4 =	:	(P _d) ²	=	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curv Slope = "n" or Assigned Standard Slope		nxi	og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		ÿ		-								
Open Flor			Mcfd @ 14.			Deliverab		v		/lcfd @ 14.65 psia		
									above repor	t and that he has		
e racis si	iated there	ein, and that	said report is true	and correc	i. Executed	this the		day of W		-	, ₂₀ <u>10</u> RECEIV	
		Witness	s (if any)	***************************************						ompany		
<u> </u>		For Corr	nmission		· · · · · · · · · · · · · · · · · · ·	-		· · · · · · · · · · · · · · · · · · ·	Check	ed by	NOV 1.7	
				•			•			•	KCC WIC	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator M & M Exploration, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
	t to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
۱h	ereby request a one-year exemption from open flow testing for the Z Bar 15-5
	ell on the grounds that said well:
	(Obselvana)
	(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
•	
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
taff a	s necessary to corroborate this claim for exemption from testing.
)ate: _	November 15, 2010
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	Signature: Mre on Gra
	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.