KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				(See Instruct	ions on Re	everse Side	;)					
Open Flow Deliverabilty				Test Date:				API No. 15 007-23855 - 0000						
Company	•		lno.				Lease Z Bar				32-6	Well Nu	ımber	
M&M Exploration, Inc County Barber			Location 2080 FNL 2420 FWL		Section 32		TWP		RNG (E/W)		32-0	Acres Attributed		
Field Aetna Gas Area			Reservoi Mississi					hering Conne	ection	100				
Completion Date 05/04/2012				Plug Back Total Depth 4940'			Packer Set at None							
Casing S 4.5	Size		Weight 10.5		Internal Diameter 4.052		Set at 4940'		Perforations 4730'		т _о 4790'			
Tubing S 2.375	ize		Weight 4.7		Internal Diameter 1.995		Set at 4807'		Perforations		То			
Type Completion (Describe) Single (Gas)				Type Fluid Production Saltwater/Crude			Pump Unit or Traveling Pl Pump Unit			Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Annulus				% 0 0.5502	Carbon Dioxid	de	% Nitrogen 0.6224			Gas Gravity - G _g 0.6722				
Vertical D	Depth(H)				Press	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildup	o: 8	Shut in Aug	ust 27 2	0 13 at 1	0:00	(AM) (PM)	Taken_A	ugust 28	3 20	13 _{at} 10:00		(AM) (PM)	
Well on L	ine:	5	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	rnamic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead	sing Pressure P _t) or (P _c)	Tubing Wellhead Pressure $(P_w) \circ (P_t) \circ (P_c)$ psig psia		Duration (Hours)	4 .	Liquid Produced (Barrels)	
Shut-In				2			40	54.4	psig	psra			, , , , , , , , , , , , , , , , , , , ,	
Flow						51 014 075								
Plate	,		Circle one:		1.	FLOW STR	Flowing	IBUIES			1		· Flowing	
Coeffied (F _b) (F	Coeffiecient		Meter or ver Pressure psia	Press Extension P _m x h	Grav Fac	tor T	emperature Factor F ₁₁	Fa	iation ctor :	Metered Flow R (Mcfd)	r GOR (Cubic Fe Barrel)		Fluid Gravity G _m	
				•										
(D \2 _			(D \2 _			OW) (DELIVI 。		•				$0.2^2 = 0.2$	107	
$(P_c)^2 = $ $(P_c)^2 - (P_c)^2 - (P_c)^2 - (P_c)^2 + (P_c)^2 + (P_c)^2 - ($	P _a) ²		c)2 - (P _w)2	: hoose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide		% (P _c - 14.4) + 1 Backpressure Curve Slope = "n"or Assigned		n x l	.og	Antilog	Open Flow Deliverability Equals R x Antilog		
			di	vided by: Pc2 - Pw	by:	· · w	Stano	lard Slope		L . J.			(Mcfd)	
Open Flow Mcfd @ 14.65 psia							Deliverat	erability Mcfd @ 14.65 psia						
			•				•			•	rt and that he ha		•	
he facts s	tated th	ereir	n, and that said	d report is true	and correc	t. Executed	this the 1	1811 <	day of 🚆	eptember mut	· K		_{20.} <u>13</u> . VICHIT/	
		-	Witness (if a	any)			-		in	For C	отрапу			
· • • • • • • • • • • • • • • • • • • •			Far Commis	sion			-			Chec	ked by	EP_2	3_2013_	

exempt status and that the fo correct to the l of equipment i	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc. oregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the Z Bar 32-6
gas well on the	e grounds that said well:
	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission
	sary to corroborate this claim for exemption from testing.
Date: Septem	nber 11, 2013 ,
	Signature: Mercutute 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.

KCC WICHITA