RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		OIL	FOINT 3			uctions on Re			LIIADILII	1 1231		
Ope	n Flow			Test Date	Δ.			ΔP	I No. 15			
Deli	verabilty				···				723701 — 0 0	000		
Company. M&M Exploration, Inc.						Lease Z Bar				19-13	Well Number	
County Location Barber 500 FSL 950 FWL			Section 19		TWP 34			:/W)	Acres Attributed 160			
Field Aetna Gas Area			Reservoir Mississippian			-	Gas Ga ONEO	thering Conn	ection			
Completion Date 08/11/2011			Plug Back Total Depth 5060'		pth		Packer : None	Set at	,			
Casing Siz 4.5	Casing Size Weight 9.5 11.6			Internal Diameter 4.0			Set at 5096'		orations 80'	To 4957 '		
Tubing Size Weight 2.375 4.7			Internal 1 1.995	Diameter		Set at " 4880'		orations	То			
Type Completion (Describe) Single (Gas)					id Producti		Pump Unit or Tra Pump Unit			aveling Plunger? Yes / No		
Producing Thru (Annulus / Tubing) % Carbon I						oxide	,			Gas Gravity - G		
Annulus Vertical Depth(H)				0.1724	0.1724 Pressure Taps			2.1438			0.6493 (Meter Run) (Prover) Size	
vенисан De	.hu(□)				Pre	sssure raps				(Meter	nun) (Prover) Size	
Pressure B	Buildup:	Shut in Ser	otember 3 2	0_13 at_2	:45	(AM) (PM)	Taken_S	eptemb	er 4 20	13 at 2:45	(AM) (PM)	
Well on Lin	ie:	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
				 -	OBSERV	/ED SURFAC	E DATA			Duration of Shut-	in Hours	
Static / Dynamic Property	Size Meter Differer (inches)			Temperature Temperatu		Wallhaad Praceura		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Pm)	Inches H ₂ 0			138	152.4	psig	psia		1-	
Flow												
	·				FLOW ST	FREAM ATTE	RIBUTES					
Plate Coefficient (F _b) (F _p) Mofd		Circle one: Meter or Nover Pressure psia Press Extension ✓ P _m x h		Gravity Factor F		Flowing Temperature Factor F _{ft}	Temperature F Factor		Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity	
(P _c) ² =	:	(P _w) ² =	:	(OPEN FL		I VERABILITY _% (/) CALCUL P _c - 14.4) +		· :	· u	² = 0.207 ² =	
(P _c) ² - (P _a or (P _c) ² - (P _d)² ($(P_c)^2 - (P_w)^2$ Choose formula 1 c $(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$		LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curv Slope = "n"or Assigned Standard Slope		,	LOG	. Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia					Deliverability Mcfd ② 14.65 psia							
	_					•		_		ort and that he ha		
ne facts sta	ted there	ein, and that sa	id report is true	and correc	t. Execute	ed this the 1	oth /2	day of _S	nut.		, 20 <u>13</u>	
		Witness (if	i any)			-	177	ne		Company	KCC WIC	
		For Comm	ission			-			Che	cked by	SEP 23 2	

exempt sta	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc. The foregoing pressure information and statements contained on this application form are true and 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 19-13										
	n the grounds that said well:									
staff as ne	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission accessary to corroborate this claim for exemption from testing.									
	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.