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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instruct	tions on Rev	erse Side)				
	en Flow eliverabilty	•		Test Date	: :				No, 15 723701 - 00	900		
Company M&M Ex		n, Inc.				Lease Z Bar	_			19-13	Well Number	
County Location Barber 500 FSL 950 FWL			Section 19		TWP 34		RNG (E/W) 14W		Acres Attributed 160			
Field: Aetna G	ias Area			Reservoir Mississi				Gas Gai	thering Conn K	ection		
Completion Date 08/11/2011			Plug Back Total Dep 5060'		h		Packer Set at None					
4.5			nt	Internal Diameter 4.0		Set at 5096'		Perforations 4880'		то 4957'		
Tubing S 2.375	ubing Size Weight .375 4.7		nt	Internal Diameter 1.995		Set at 4880'		Perforations		То	То	
Type Cor Single (mpletion ((Gas)	Describe)			d Production ter/Crude			Pump U	nit or Traveling Unit	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubin			g)	% Carbon Diox 0.1724			% Nitrogen 2.1438			Gas Gravity - G _g 0.6493		
Vertical D	Depth(H)					sure Taps					Run) (Prover) Size	
Pressure	Buildup:	Shut in Ma	y 18 ₂	0 15 at 8	:30	(AM) (PM)	Taken_M	ay 19		15 _{at} 8:30	(AM) (PM)	
Well on L	_ine:	Started	20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
				_	OBSERVE	D SURFACE	DATA	_		Duration of Shut-	in Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P	Pressure) or (P _c)	Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		Poig (:)				117	psia 131.4	psig	psia			
Flow												
		<u>.</u>		T	FLOW STR	EAM ATTRI	BUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Over Pressure psia Press Extension √ P _m x h		Grav Fact	tor	Flowing Temperature Factor F _r ,	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	I Gravity	
			<u> </u>				L					
(P _c) ² =	<u> </u>	(P _w) ² =	: :	(OPEN FL		'ERABILITY) % (P	CALCUL + (14.4 -		:	(P _a) (P _d)	² = 0.207 ² =	
	(P _A) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 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.	P _c ² - P _w ²	Slop Ass	sure Curve e = "n" or igned ard Slope	n x	LOG	Antilog	Open Flow Defiverability Equals R x Antilog (Mcfd)	
							•					
Open Flo	ow		Mcfd @ 14.	65 psia		Deliverab	lity			Mcfd @ 14.65 psi	<u> </u>	
The	undersign	ed authority, o	n behalf of the	Company, s	states that h	ie is duly au	thorized t	o make t	he above repo	ort and that he ha	s knowledge of	
the facts s	stated the	rein, and that s	aid report is true	and correct	t. Executed	this the 8t	<u>h</u>	day of _	une N5/N		, 20 <u>15</u>	
		Witness (if any)		JUN 1		· · ·	nl		Company	<u> </u>	
		For Comm	nission			EIVED -			Che	cked by		

exempt status under Rule K.A.R. 82-3-30 and that the foregoing pressure information correct to the best of my knowledge and of equipment installation and/or upon types.	ation and statements contained on this application form are true and belief based upon available production summaries and lease records be of completion or upon use being made of the gas well herein named. ion from open flow testing for the Z Bar 19-13
gas well on the grounds that said well:	
is on vacuum at the p is not capable of prod I further agree to supply to the best	lift due to water I gas for injection into an oil reservoir undergoing ER present time; KCC approval Docket No ducing at a daily rate in excess of 250 mcf/D of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this cl Date: June 8, 2015	aim for exemption from testing.
KCC WICHITA JUN 1 1 2015 RECEIVED	Signature: Mulmut 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.