## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			(	See Instruc	tions on Re	verse Side	e)					
_ '	en Flow liverabilty			Test Date	<b>)</b> :				No. 15 23136 – 00	90			
Company M&M Ex	, ploration	, Inc.				Lease Z Bar				15-5	Well Nun	ıber	_
County Location Barber 2200 FNL 660 FWL			Section 15		TWP 34			W)		Acres At 160	tributed		
Field Aetna Gas Area			Reservoir Ft. Scott			Gas Gathering Connection ONEOK		ection	<u> </u>	¥.	2		
Completion Date 01/22/2010				Plug Back Total Depth 4792'				Packer Set at None					C) 00
Casing Size Weight .5 15.5			Internal Diameter 4.950		Set at <b>5105'</b>		Perforations 4756'		то <b>4762</b> '	,	KCC WICHITA	•	
Tubing Size Weight 2.375 4.7			Internal ( 1.995	Diameter	Set at <b>4786'</b>		Perforations		То		Ã	:	
ype Con Si <b>ngle (</b>	npletion (E	Describe)			d Productio ter/Crude			Pump Un Pump	nit or Traveling Unit	Plunger? Yes	/ No		
roducing Annulus		nnulus / Tubing)		% Carbon Dioxide 0.063				% Nitrog 4.285	en	Gas G <b>0.66</b> 5	<b>3</b>		
ertical D	epth(H)				Pres	ssure Taps				(Meter	Run) (Pro	over) Size	Ð
ressure	Buildup:	Shut in May	16 20	13 at 9	:00	(AM) (PM)	Taken_N	1ay 17	20	13 <sub>at</sub> 9:30	(A	M) (PM)	_
Vell on L	ine:	Started	20	) at		(AM) (PM)	Taken		20	at	( <i>F</i>	м) (PM)	
			·		OBSERVE	D SURFAC				Duration of Shut	-in	Hou	ırs
Static / Orifice Dynamic Size Property (inches		Meter Pressure Prover Pressure psig (Pm) Pressure Prover Pressure Inches H <sub>2</sub> 0		Flowing Well Head Temperature Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	1 ,	Liquid Produced (Barrels)	
Shut-In						50	54.4						
Flow							<u> </u>						
		<i>α</i> :			FLOW ST	REAM ATTR	RIBUTES	T	· · · · · · · · · · · · · · · · · · ·		1		
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or rover Pressure psia	Pressure Extension		Gravity Factor F <sub>a</sub>		Flowing Dev Temperature Factor F		Metered Flow R (Mcfd)	(Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
<del></del>				(OPEN EL)	OW) (DELIN	/ERABILITY	O CALCUI	ATIONS					
) <sub>2</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =	, ,		•	+ 14.4 =	:	***	) <sup>2</sup> = 0.20 ) <sup>2</sup> =	′	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup> (	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	noose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_a^2$	LOG of formula		Backpressure Curve Slope = "n"		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		Эg
											-		_
pen Flo			Mcfd @ 14.6	55 psia	<del> </del>	Deliverat	oility		<u> </u>	Mcfd @ 14.65 ps	sia		
The	undersigne	•	behalf of the	Company, s		ne is duly a	uthorized		e above repo	rt and that he h		-	_
riacis S	iaiyü inere	ein, and that said	report is true	ани соггес	c. EXOCUTOC	រ បាទេ មាខ 🏯	7	vay or	aly re Cart		, 20	, <u></u>	
		Witness (if a	iny)			-				ompany			
		For Commiss	sion			-			Chec	ked by			—

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.
and tha	at the foregoing pressure information and statements contained on this application form are true and
of equip	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.
	ereby request a one-year exemption from open flow testing for the <u>Z Bar 15-5</u> Il 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
l fu	is not capable of producing at a daily rate in excess of 250 mcf/D erther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
Date: _	July 27, 2013
	Signature: Inchic
	Signature:

Instructions:

KCC WICHITA JUL 29 2013 RECEIVED 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.