Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test						(•	See Instru	ıctic	ons on Re	verse Side	?)						
_	en Flo liverat					Test Date	:					No. 15	.a.e				
Company	,	<u>-</u>	lne -						Lease Z Bar		007-	-23913 06	סטי	4-7	Well N	lumber	_
M&M Ex County	piorai	uon,	-	ion ′		 Section		—	Z Bar TWP		RNG (E/	 W)		4-1	Acres	Attributed	<u> </u>
Barber 1980 FNL 2080 FEL			4			34		15W				160					
Field Aetna Northwest				Reservoir Mississi					Gas Gath	ering Conn	ectio	n					
Completion Date 09/25/2012				Plug Bact 4926	k Total De	≱pth	 		Packer Set at None					_			
Casing S 4.5	using Size Weight 5 10.5				Internal Diameter 4.052			Set at 4950		Perforations 4756		то 4818		}			
Tubing Size 2.375				Weight 4.7			Internal Diameter 1,995			Set at 4769		ations		То			
Type Con Single (. •					Type Flui	d Product				Pump Un Pump	it or Traveling Unit	Plur	nger? Yes	s / No	1	
Producing Thru (Annulus / Tubing)					arbon Dic	oxid	 		% Nitrogen			Gas Gravity - G					
Annulus Vertical Depth(H)				0.0640			🕶 .	3.6457			0.6841 (Meter Run) (Prover) Size						
vertical D	epth(H	٦)					Pro	BSSU	ure Taps					(Mete	r Kun) ((Prover) Siz	z e
Pressure	Buildu	ıp:	Shut in Se	pt 11		0_14_at_8	:00	((AM) (PM)	Taken_S	ept 12	20	14	at 8:00		_ (AM) (PM	— I)
Well on L	ine:		Started		2	0 at		_ ((AM) (PM)	Taken		20		at	•	_ (AM) (PM	1)
					_		OBSER\	VED	SURFAC	E DATA		_	Dura	ation of Shu	ıt-in	Ho	ours
Dynamic S		fice Circle one		Pressure Differential		Flowing	Well Hea	ď	Casing Wellhead Pressure		Tubing Wellhead Pressure (P_{π}) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)		ad
		rover Pres		vre in		Temperature t	Temperatu t	ıre [(P _w) or (P ₁) or (P _c)								•
			psig (Pm)	Inche	s H ₂ O	<u> </u>		\dashv	pslg	psia	psig	psia			_		_
Shut-In				<u> </u>				\dashv	300	314.4					 -		
Flow			_			<u> </u>	<u> </u>										
				T			FLOW S		EAM ATTR	RIBUTES		_					
Plate Coeffiecient			Circle one: Meter or	Pre Exter		Grav Fac	•		mnerature I		riation Metered Flow		w GOR (Cubic F			l Eluid	
(F _b) (F _p)		Pro	over Pressure psia	√ F	"x h	F	11		Factor F ₁₁		F _{pv}	(Mcfd)		Barre		Gravity G _m	У
				 		 			- 11	 		_	\dashv				
			<u> </u>	<u> </u>		(OPEN FL	OW) (DEL	.IVE	RABILITY	/) CALCUL						1 207	
P _c) ² =		_:	(P _w) ² =	·	_:	P _d =		_%	s (1	P _c - 14.4) +	14.4 =	:			(a)² = C		
(P)2- (1	P \2	(E	P _c) ² • (P _w) ²	Choose form		LOG of		1		essure Curve						Open Flow	
or	'a'	"	c/ - (1 w/		1. P _c ² · P _c ² 2. P _c ² · P _c ²					pe = "n" - or	_ nxl	.og	Antilog		Deliverabi Equals R x A		
(P _c)²- (I	P _a)*	ļ		divided by:	u	and divide by:	P.2-P.2]		ssigned dard Slope		LJ	\ _		-4-	(Mcfd)	
												_					
				_										-			
Open Flo	w			Mcfd	@ 1 <u>4</u> .	.65 psia			Deliveral	bility			Mefe	1 @ 14.65 ;	osia		
												e above repo ctober	ort ar	nd that he	has kn	owledge of Receive ORPORATION	i be
ne facts s	tated t	therei	in, and that s	aid report	is tru	e and correc	t. Execut	ed t	this the <u></u>	.181	day of O	M ,		<u>K</u>		`	
			Witness	(if any)				-			ul	For	Compa	any	OONSE		201
			For Com	mission				-				Cha	cked b		CONSE	RVATION D WICHITA, KS	IIVISI S
			1 31 00111									VIIIC		•			

exemp	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. at the foregoing pressure information and statements contained on this application form are true and
of equi	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 Z Bar 4-7
staff as	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 arther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
	Signature:

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 not step than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form files commission signed and dated on the front side as though it was a verified report of annual test results.

OCT 3 1 2014