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

1. 1

Type Test	i <b>:</b>			(	See Instruct	tions on Re	verse Side	)			
Ор	en Flow			Test Date	,.			ΛDI	No. 15		
De	liverabilty	<i>'</i>		1031 Date	•				-2108 <b>1</b> -000	1	
Company M&M Ex		n, Inc.	<del>-</del>			Lease Z Bar R	anch			v 1-31 O'	Vell Number WWO
County Location Barber 1475 FSL 1320 FEL			Section 31		TWP 33			W)		cres Attributed	
Field Aetna G	as Area			Reservoir Mississi				Gas Gat ONEO	hering Conne	ection	
Completion Date 5/125/2012			Plug Back Total Depth 4963'				Packer S None	et at			
Casing Si 4.5	Casing Size Weight 4.5 10.5		Internal Diameter 4.052		Set at 4894'		Perforations 4862'		т <sub>о</sub> 4922'		
Tubing Si 2.375	Tubing Size Weight 2.375 4.7		Internal Diameter 1.995			Set at Perf 4934'		rations	То		
Type Completion (Describe) Single (Gas)			Type Fluid Production Saltwater/Crude				Pump Ur Pump		Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitrogen			Gas Gravity - G	
Annulus Vertical D				0.0834		sure Taps		2.458	4	0.6609 (Meter B	dun) (Prover) Size
70/1104/12	<b>, с</b> р(. і,				1 100	outo tapo				(Motor 1)	ian) (1 10001) Oizo
Pressure	Buildup:	Shut in May	18 2	0_15_at_9:	:45	(AM) (PM)	Taken_M	ay 19	20	15 <sub>at</sub> 9:45	(AM) (PM)
Well on L	.ine:	Started	2	0 at	<del></del>	(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA	-		Duration of Shut-i	n Hours
Static / Orifice Dynamic Size Pr		Meter Prover Pressur	Meter Differential		Well Head Temperature	arussar Praecure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Property	(inches)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia		
Shut-in						61	75.4				
Flow											
<u> </u>		81.4	_	<u> </u>	FLOW STR	REAM ATTR	BUTES				<del></del>
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact F	tor	Flowing Temperature Factor F <sub>ri</sub>	Fa	iation ctor	Metered Flov R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
(D.)2		. (D.)2		•	OW) (DELIV		•		_		= 0.207
(P <sub>c</sub> ) <sup>2</sup> =	i		hoose formula 1 or 2		<u>_</u>		- 14.4) +	i	<u>·</u>	(P <sub>d</sub> ) <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>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Sto As	pe = "n" - or signed	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			livided by: $P_c^2 - P_w^2$	by:	<u> </u>	Stand	lard Slope				(Meta)
			•								
Open Flow Mcfd @ 14.65 ps				65 psia	psia Deliverability			Mcfd @ 14.65 psia			
	_	ned authority, on		•		•			ne above repo une	rt and that he has	s knowledge of, 20 <u></u>
		Witness (if	any)	J	UN 11	2015		vone		Company	
		For Commi	ssion		RECE	IVED .			Chec	cked by	

exempt status under Rule K.A.R. 82-3- and that the foregoing pressure infor- correct to the best of my knowledge at of equipment installation and/or upon to	y under the laws of the state of Kansas that I am authorized to request -304 on behalf of the operator M&M Exploration, Inc. mation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named.  The production from open flow testing for the Z Bar Ranch 1-31 OWWO
is on vacuum at the sign of p	er lift due to water  ral gas for injection into an oil reservoir undergoing ER  e present time; KCC approval Docket No  roducing at a daily rate in excess of 250 mcf/D
staff as necessary to corroborate this	est of my ability any and all supporting documents deemed by Commission claim for exemption from testing.
Date: June 8, 2015	
KCC WICHITA  JUN 1 1 2015  RECEIVED	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 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.