## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				0	See Instruc	tions on Rev	erse Side	<del>;</del> )					
Open Flow Deliverabilty					Test Date:					No. 15 '21652-0001				
Company M&M Exploration, Inc.						Lease Williams-Misak					1-5	Well N	umber	
County Harper			Location 85 FSL 2205 FEL		Section 5		TWP 35		RNG (E/W) 5W			Acres 520	Attributed <b>280</b>	
Field Unknown					Reservoir Cherokee Sand			Gas Gathering Connection Targa						
Completion Date 03/01/2012 (Recompletion)				Plug Back Total Depth 4930 CIBP				Packer S None	Set at					
Casing S	Casing Size 5.5			t	Internal Diameter 4.950		Set at 5297		Perforations		. <b>To</b>			
Tubing Si 2.875	ize		Weight 6.5		Internal Diameter 2.441		Set at 4578		Perforations 4560		то 456	5		
Type Completion (Describe) Single (Gas)				Type Flui Saltwa	d Productio Iter	n	Pump ( No		p Unit or Traveling Plunger?		? Yes / No			
		(Anr	nulus / Tubin	g)	% c	arbon Dioxi			_	% Nitrogen 19.0204		Gas Gravity - G <sub>g</sub> 0.715		
Vertical D	Pepth(H	)		_		Pres	sure Taps		10102				Prover) Size	
Pressure	Buildup	o: :	Shut in Jur	ie 5 2	15 at 1	1:00	(AM) (PM)	Taken_Jt	ıne 6	20	15 <sub>at</sub> 11:00	)	(AM) (PM)	
Well on Line:			Started	tarted 20										
						OBSERVE	D SURFAC	E DATA			Duration of Sh	ut-in	Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Heat Temperature t		Casing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )  psig psia		Tubing Welihead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Ouration (Hours)		Liquid Produced (Barrels)	
Shut-In							700	714.4	350	369.4	· · ·			
Flow						<u> </u>	<u> </u>	<del></del>						
				<del></del>		FLOW STE	REAM ATTR	IBUTES			<del>                                  </del>			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or * Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Extension Fac		Flowing Temperature Factor F <sub>f1</sub>		viation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	v GO (Cubic Barr	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
			<del></del> -											
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =	:			/ERABILITY % (F	) CALCUL P <sub>c</sub> - 14.4) +		:		$(a_a)^2 = 0.$ $(a_b)^2 = 0.$	207	
(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>		Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a$	LOG of formula 1. or 2. and divide	LOG of formula 1. or 2. and divide p2_p2		Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	C De	Open Flow Oliverability Is R x Antilog (Mcfd)	
Open Flo				Mcfd @ 14	65 neia	-	Deliverab				Model @ 14 85	acia.	-	
		aner	d authority o	<del>-</del>	<del></del>	etatos that l			to males 4		Mcfd @ 14.65		ulodes st	
the facts s	tated th	erei 1erei	in, and that s	n behalf of the aid report is tru	e and correc	t. Executed	this the 50	th	day of	lugust	in and mat he		wledge of	
				aid report is tru		KANSAS CORF	Received PORATION COM	MISSION /	me	3 76	X			
			Witness				1 0 201				Сотралу			
			For Comr	nission		CONSER	VATION DIVISI CHITA, KS	ON		Chec	cked by			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.									
and that the foregoing pressure information and statements contained on this application form are true and									
correct to 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 Williams-Misak 1-5									
gas well 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									
is not capable of producing at a daily rate in excess of 250 mcf/D									
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.									
Date: August 5, 2015									
Signature:  Received   KANSAS CORPORATION COMMISSION   AUG 1 0 2015  CONSERVATION DIVISION   WICHITA, KS									
AUG 1 0 2015  CONSERVATION DIVISION									

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.