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

= :	t: en Flor liverab				( Test Date	See Instruct	tions on Re	verse Side	API	No. 15 21675 <b>- 70</b>	0a			
Company	,	-					Lease	-	077	21075-00		Well N	umber	
M&M Exploration, Inc.			Ocation		Ferda TWP		SNO (EAA)		1-5	1-5 Acres Attributed				
County Location Harper NENWNWSE			Section 5		35	•		RNG (E/W) 5W		520	Attributed			
Field			Reservoir Cherokee Sand			Gas Gathering Atlas		hering Conne	ection					
Completion Date 5/17/2010				Plug Back Total Depth 5020'		th	Packer Set at None		iet at	• •				
Casing Size 5.5			Weigh	<b>t</b>	Internal Diame 4.892		5270'		Perforations 4574'		то <b>4579</b> '			
Tubing Size 2.875			Weigh <b>6.5</b>	t	Internal Diame 2.441		Set at <b>4580</b> '		Perforations		То			
Type Completion (Describe) Single (Gas)				Type Flui Saltwa	d Production ter		Pump Unit or Tra		nit or Traveling	Plunger? Ye	s / No			
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrogen			Gas Gravity - G			
Tubing Vertical D	\oneh/L	1			.213	Brook	sure Taps	18.492			.732 (Meter Run) (Prover) Size			
vertical L	epin(r	')				rres	sure raps				(IWBIE	i nuii) (i	-lovel) Size	
Pressure	Buildu	<b>p</b> :	Shut in Mai	rch 15 2	0 13 at 1	0:00	(AM) (PM)	Taken Ma	arch 16	20	13 at 10:00	)	(AM) (PM)	
Well on L	ine:	1	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shu	ıt-in	Hours	
Static / Oynamic Property	Dynamic Size		Circle one:  Meter Prover Pressu	Ţ.	lemperature lemperat		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Weilhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>o</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			900	914.14	700	714.14				
Flow														
	1		Circle ene:			FLOW STR	EAM ATTR	IBUTES		·	<del>-  </del>		Flowing	
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia		Press Extension Paxh	Grav Fac F	tor	Tomporatura		ation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G_m	
												•		
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(F	) <sup>2</sup> = 0.	.207	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =		<b>P</b> <sub>d</sub> =		% (I	P <sub>c</sub> - 14.4) +	14.4 =	: :	(P	d)2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Backpres Slop		пх		Antilog	De	Open Flow eliverability uls R x Antilog (Mcfd)	
				divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	² by:	<u> </u>	Starte	lard Slope		_		<u> </u>	·	
Open Flow Mcfd @ 14.65 ps					65 psia	psia Deliverability			Mcfd @ 14.65 psia					
		_									rt and that he		wledge of	
the facts s	tated t	nerei	in, and that s	aid report is true					day of A	n W	X.		, 20 <u></u> .	
			Witness (	fany)	KA	ISAS CORPO	RATION CO	umission_		ForC	Company			
	—		For Comm	ission		APR	2 2 20	13	• • • •	Cher	cked by		<del></del>	

CONSERVATION DIVISION WICHITA, KS

l declai	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request								
	rus 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 Ferda 1-5									
	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 furthe	r agree to supply to the best of my ability any and all supporting documents deemed by Commission								
	bessary to corroborate this claim for exemption from testing.								
Date: April	17. 2013								
Date. <u>· · · · · · · · · · · · · · · · · · ·</u>									
	Signature: Mr. M. M. C.								
	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 roust be signed and dated on the front side as though it was a verified report of annual test results CORPORATION COMMISSION