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

F. .

Type Test	:				(	See Instruct	ions on Re	verse Side	)				
Open Flow Deliverability				Test Date: API No. 15									
Del	liverabi	ilty							077	21675 - 00-	- 60		
Company M & M Exploration, Inc.			Lease Ferda						1-5	Well Number 1-5			
County <b>Harper</b>			Location NENWN		Section 5		TWP 35			RNG (E/W) 5W		Acres Attributed 520	
Field						ee Sand			Atlas	ering Connect	ion	RECE	II/En
5/17/201		9			Plug Bac 5020'	k Total Dept	h		Packer Se None	et at			
Casing Size Weight			Internal I	Diameter		Set at 5270'		Perforations 4574'		OCT 1	8 2012		
5.5 Tubing Si				4.892 Internal Diameter		Set at		Perforations		4579' To	KCC WI	СНІТА	
2.875	2.875 6.5			2.441		4580'					· · · · · · · · · · · · · · · · · · ·		
Type Com Single (	-	ı (De	escribe)		Type Flui Saltwa	id Production Iter	1		Pump Un No	it or Traveling P	lunger? Yes /	No	
Producing Thru (Annulus / Tubing)				% (	de	ŭ			Gas Gravity - G				
	Tubing Vertical Depth(H)				0.213		sure Taps			18.492		.732 (Meter Run) (Prover) Size	
Vertical D	epuiti	''				ries	sule iaps				(weter ) i	un) (i Tover) Size	
Pressure	Buildu,	p: :	Shut in Jan.	30 2	0 12 at 9	:30	(AM) (PM)	Taken_Ja	ın. 31	20	2 at 9:30	(AM) (PM)	
Well on L	in <del>e</del> :	:	Started	2	0 at	<del></del>	(AM) (PM)	Taken		20	at	(AM) (PM)	
			<del></del>			OBSERVE	D SURFAC	E DATA		D	uration of Shut-ir	nHours	
Static / Dynamic Property	Orifi Sizi (inchi	te Prover Pressure		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t t		(P <sub>m</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			P3 ()	1101001120			1020	psia 1034.14	psig 1000	1014.4			
Flow													
	· · · · ·					FLOW STR	EAM ATTR	RIBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Gircle one:  Meter or  Prover Pressure  psia		Press Extension √P <sub>m</sub> xh	Gra Fac F	tor	Flowing Temperature Factor F <sub>11</sub>		iation actor	Metered Flow Fl (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P )2 =			(P <sub>w</sub> ) <sup>2</sup> =_		•	OW) (DELIV		/) CALCUL P <sub>c</sub> - 14.4) +				= 0.207	
$(P_c)^2 = {(P_c)^2 \cdot (P_a)^2}$ $(P_c)^2 \cdot (P_d)^2$		(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. $P_c^2 - P_d^2$ nided by: $P_c^2 - P_a^2$	LOG of		Backpre Sid	essure Curve ope = "n" or ssigned dard Stope	n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		•			<del>†                                    </del>								
								-					
Open Flor	w			Mcfd @ 14.	65 psia	·	Deliveral	bility		М	cfd @ 14.65 psia	3	ı
		-	d authority, on						omaketh dayof <u>O</u>		and that he has	s knowledge of, 20	
			Wilness (if a	nv)			,		M	C M W For Cor	Donany		
			i i ceanii i			<u>.</u>				13,00			

## OCT 1 8 2012 KCC WICHITA

	,,,,
l declare unde	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	er Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc.
and that the foreg	oing 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
, ,	llation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the Ferda 1-5
gas well on the gro	ounds 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.
<b>√</b>	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: October 9, 2	2012
Dale. Colobol 0, 2	
	Signature: Mul
	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 must be signed and dated on the front side as though it was a verified report of annual test results.