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

Type Test	:			(	See Instructi	ions on Re	verse Side	·)		*.	
	en Flow		• ;	Test Date	<b>)</b> :		٠	API N	lo. 15 <b>- 007</b>	- 21,081 - 000	N
	liverabili	y 			<del></del>				<u>.</u>		
Company M&M Ex		on, Inc.				Lease <b>Z Bar F</b>	Ranch			1-31 C	Well Number DWWO
County Barber		Loca 1475 F	tion FSL 1320 FEL	Section 31		TWP 33		RNG (E/W	/)		Acres Attributed 160
Field Aetna G	as Area	1***		Reservoi Mississi				Gas Gath	ering Conne	otion	
Completic 5/125/20				Plug Bac 4963'	k Total Depth	1		Packer Se None	t at		
Casing Si 4.5	ize	Weig 10.5		Internal ( 4.052	Diameter	Set <b>489</b>		Perfora 4862		To 4922'	
Tubing Si 2.375	ze	Weig 4.7	ht	Internal [ 1.995	Diameter	Set 493		Perfora	itions	То	
Type Com Single (	•	(Describe)			d Production ter/Crude			Pump Unit		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus			% C	arbon Dioxid	de		% Nitroge 2.4584		Gas Gravity - G <sub>g</sub> 0. <del>6609</del>		
Vertical D				2.0001		ure Taps					Run) (Prover) Size
		· · · · ·			00					10 000	
Pressure	Buildup	Shut in Se	eptember 2 2	0_13_at_8	:00	(AM) (PM)	Taken_Se	eptember	20	13 at 8:00	(AM) (PM)
Well on Li	ine:	Started	20	0 at		(AM) (PM)	Taken		20 _	at	(AM) (PM)
		,			OBSERVE	SURFAC	E DATA		. [	Ouration of Shut-	in Hours
Static /	Orifice	Circle one Meter	Pressure Differential	Flowing	Well Head	Cas	sing Pressure	1	bing I Pressure	Duration	Liquid Produced
Dynamic Property	Size (inche:	Prover Pres	sure in	Temperature t	Temperature t	(P <sub>w</sub> ) or (F	P <sub>c</sub> ) or (P <sub>c</sub> )	1	P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)
Shut-In		" psig (Pm	) Inches H <sub>2</sub> 0		-	psig 100	psia 114.4	psig	psia	<u> </u>	
Flow						100	114.4				
1100					ELOW STR	CAM ATTO	IDUTES	l			
Plate		Circle one:		<u> </u>	FLOW STRI	Flowing.	IBULES				. Flowing
Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,,)	Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	tor Te	emperature Factor F <sub>ft</sub>	Fa	iation ctor :	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Eluid
									.*		
		· ··· · · · · · · · · · · · · · · · ·	<u>-1</u>	(OPEN FL	OW) (DELIVE	RABILITY	) CALCUL	ATIONS	0 X - 71	(D.3)	20.002, ,
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup>	=:	P <sub>d</sub> =	*.		, P <sub>c</sub> - 14.4) +		<u> </u>	(P <sub>a</sub> )	2 = 0.207 2 =
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	<u> </u>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 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		Sio	ssure Curve pe = "n" - or signed	n x LC	og 🗍	Antilog	Open Flow Deliverability Equals R x Antilog
, c, ,	d'		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		ard Slope.		. L _		(Mcfd)
										•	
Open Flow	v		Mcfd @ 14.6	55 psia		Deliverab	oility	<del>l </del>		lcfd @ 14.65 psi	a
		ned authority	on behalf of the		tates that he		-	make the		· · · · · · · · · · · · · · · · · · ·	
			said report is true				th .	day of Sel	otember	and that he ha	40
10013 31	aiou life	ano mats	said ropoit is title	and conec	. Executed t	una ule <u> </u>	· /	7	<u></u>	- RC	C WICHITA
		Witness	(if any)		<del> </del>	~	" /	me.	above report otember  For Col	mpany SE	P 2 3 2013
		F 0				_					

	•			
I declare under pen	• • •			n authorized to request Inc.
and that the foregoing p correct to the best of my of equipment installation	ressure information knowledge and beli and/or upon type of	n and statements cont ief based upon availab	ained on this applicate  Ie production summa  Be being made of the	ation form are true and aries and lease records gas well herein named.
gas well on the grounds				•
is cycles is a second is on is not	vacuum at the pres capable of produc pply to the best of r	due to water s for injection into an o ent time; KCC approva ing at a daily rate in ex ny ability any and all s	I Docket No cess of 250 mcf/D upporting document	ng ER  s deemed by Commission
Date: September 6, 201	13			
	S	ignature: Mue	unt	
		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 signed and dated on the front side as though it was a verified report of annual test results.