KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			•		(-	See Instruc	ctions on Re	everse Side)				
✓ Op	en Flov	W				Test Date				ΔΡ	No 15 - 194	= 4 50 00	00	
De	liverab	ilty				12-13-20					140. 15 - 02:	5-10,010-00		
Company M M Ene		nc						Lease Lewis				#1	Well Number	
County Hamilton			Location C SW NE			Section 36		TWP 21S			/W)	Acres Attributed 640		
					Reservoir Winfield			Gas Ga Oneok	thering Conn	ection				
Completion Date 3/1963						Plug Back 2765	Plug Back Total Depti 2765		h		Set at			
Casing Size 4.5			Weight 9.5			Internal Diameter 4.09		Set at 2775		Perforations 2745		то 2757		
Tubing Size			Weight			Internal Diameter		Set at		Perforations		То		
Type Completion (Des			scribe)			Type Fluid Production saltwater		on	<u> </u>		nit or Traveling	g Plunger? Yes / No		
	g Thru	(Anr	nulus / Tubir	ng)	<u> </u>		arbon Diox	kide		pu % Nitrog	jen	Gas Gra	avity - G _g	
annulus Vertical C		ł)					Pre	ssure Taps				(Meter F	Run) (Prover) Si	
2775		,												
Pressure	Buildu	p: :	Shut in12	/09	2	0_13 at_4	45 pm	_ (AM) (PM)	Taken_12	2/12		13 at 5:00 pt		
Well on L	ine:	;	Started 12	/13	2	0_13_at_5	:10 pm	_ (AM) (PM)	Taken 12	2/14	20	13 at 5:15 pt	m(AM) (PN	
						-	OBSERV	ED SURFAC	E DATA			Duration of Shut-	inH	
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Pressure		Pressure Differential	Flowing Temperature	Well Head Temperature	emperature Wellhead P		essure Wellhead Pressure		Duration (Hours)	Liquid Produced (Barrels)	
		es)	psig (Pm)		Inches H ₂ 0	t	t	psig	psia	psig	psia			
Shut-In Flow								-	27					
11011							FI OW ST	REAM ATTI		L				
Plate			Circle one:		Press	Crow	T	Flowing			******	w GOR	Flowir	
Coefficeient (F _b) (F _p) Mcfd			Meter or trover Pressure psia		Press Grav Extension Facil ✓ P _m xh F _q		tor Temperature		Fa	Deviation Metered F Factor R F F (Mcfd)		(Cubic Fed Barrel)	et/ Fluid Gravit G_	
						(ODEN) EL	OW) (BELLI	VEDADII IT	V) CAI CIII	ATIONS				
(P _c) ² =		_:	(P _*) ²	=	:	P _a =	JW) (DELI	VERABILIT	P _c - 14.4) +			(P _a) ²	2 = 0.207 2 =	
$(P_e)^2 - (P_n)^2$ or $(P_e)^2 - (P_n)^2$		$(P_{\scriptscriptstyle c})^2 \cdot (P_{\scriptscriptstyle w})^2$			ose formula 1 or 2 1. P _c ² - P _s ² 2. P _c ² - P _d ²	LOG of formula 1, or 2.		Backpressure Curve Slope = "n"		1 100		Antilog	Open Flow Deliverability Equals R x Antilog	
(P _c)*- (P _a) ²				led by: P _c ² - P _s ²	and divide by:	b.s. b.s		ssigned dard Slope				(Mcfd)	
Open Flo	iw				Mcfd @ 14.	65 psia	·	Delivera	bility			Mcfd @ 14.65 psi	a	
The	undersi	igned	authority,	on b	ehalf of the	Company, s	tates that	he is duly a	uthorized t	o make t	he above repo	ort and that he ha	s knowledge o	
the facts s	stated th	herei	n, and that	said	report is true	e and correc KANSAS CO	RECEIVE	d this the	23	day.of _	December		, 20 <u>13</u>	
	- Impor		Witness	(if any			C 26		ON D	Zu	For For	Company		
			For Con	missio	on	CONSE	RVATION	Julierom		*****	Che	cked by		
						1	WICHITA, K	S						

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator MM Energy Inc								
	he foregoing pressure information and statements contained on this application form are true and								
	the best of my knowledge and belief based upon available production summaries and lease records								
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.								
	by request a one-year exemption from open flow testing for the Lewis #1								
	n 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									
l freeth	or agree to supply to the host of my shility any and all supporting decuments deemed by Commissis								
	er agree to supply to the best of my ability any and all supporting documents deemed by Commissio								
Stall as ne	ecessary to corroborate this claim for exemption from testing.								
Date: 12-	23-2013								
Duito									
VANG	RECEIVED								
MAIN	SAS CORPORATION COMMISSION								
	DEC 2 6 2013 Signature: \(\)								
	WICHIIA KS Title: Corporate Sec/Treas.								

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.

STATE TEST 2013

OPERATOR: M M ENERGY

WELL: LEWIS#1

LOCATION: 3-21-42

COUNTY: HAMILTON

Casina,

SHUT IN TIME: 12/09/13

SHUT IN TAKEN: 12/12/13

TIME: 4:45 P.M. **TIME:** 5:00 P.M.

PRESSURE: 42#

ON FLOW: 12/13/13

FLOW TAKEN: 12/14/13

TIME: 5:10 P.M. TIME: 5:15 P.M.

DIFF: 6"

WORKING PRESSURE: 27# METER PRESSURE: 18#

RECEIVED
KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA KS