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

Type Test	:				(	See Instruc	tions on Reve	erse Side	)				
	en Flo liverab				Test Date 12-13-2				API	No. 15 <b>- 07</b>	5-20,796-	0000	
Company M M Ene		nc				THE RESERVE THE PERSON OF THE	Lease Lewis				#2	Well Nur	mber
County Hamilton			Location C <b>S E</b>		Section 36		TWP 21S		RNG (E/W) 42W			Acres Attributed 640	
Field Bradshaw					Reservoir Winfield				Gas Gat Oneok	hering Conne	ection		
Completion Date 1/2003					Plug Back Total Depti 3200		th			Packer Set at none			
Casing Size 5.5			Weigh 17	t	Internal Diamete 4.99		3200		Perforations 2744		To <b>2754</b>		
Tubing Size 2.375			Weight		Internal Diameter		Set at		Perforations		То		
Type Completion (Desingle			escribe)		Type Fluid Production saltwater				Pump Unit or Traveling Plung pu		Plunger? Yes	ger? Yes / No	
_	•	(Anı	rulus / Tubino	3)	% C	arbon Diox	ide		% Nitrog	en	Gas Gr	avity - G	i <sub>9</sub>
annulus Vertical D		H)				Pres	ssure Taps				(Meter	Run) (Pr	over) Size
3200	<b>JP</b> (.	.,									`	, ,	,
Pressure	Buildu	-	Shut in 12/	2			(AM) (PM)				13 <sub>at</sub> 5:20 p		AM) (PM)
Well on L	ine:		Started 12/	13 2	0_13_at_5	:20 pm	. (AM) (PM) 1	Taken 12	2/14	20	13 <sub>at</sub> 5:30 p	m (,	AM) (PM)
						OBSERVE	ED SURFACE	DATA			Duration of Shut-	in	Hours
Static / Orifice Dynamic Size Property (inches		e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Her Temperate t		Wellhead Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		i Produced Barrels)
Shut-In								40	, p=-9	, , ,			
Flow								31					
				· · · · · · · · · · · · · · · · · · ·		FLOW ST	REAM ATTRIE	BUTES	. 1				
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	ension Facto		Flowing Deviat Factor Factor F <sub>pv</sub>		ctor R		GOR (Cubic Fe Barrel)	ļ.	Flowing Fluid Gravity G <sub>m</sub>
			<del></del>										
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL	- •	/ERABILITY)			:		2 = 0.20 2 =	D7 
(P <sub>c</sub> ) <sup>2</sup> - (F		(F	P <sub>o</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: $P_c^2 - P_d^2$	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slope  Assi	sure Curve e = 'n" or igned rd Slope	n v	LOG	Antilog	Deli Equals	en Flow verability B x Antilog Mcfd)
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia	
The u	unders	-			Company, s		he is duly aut	horized to			rt and that he ha	as knowl	edge of 20
			Witness (i						M	pu!	Jh.	L	
NAME OF THE PARTY			For Comm			DEC 26		<b>∪</b> I¥	,		cked by		

CONSERVATION DIVISION WICHITA, KS

, ,	erjury under the laws of the state of Kansas that I am authorized to request 32-3-304 on behalf of the operator M M Energy Inc						
and that the foregoing pressure	information and statements contained on this application form are true and						
•	ge and belief based upon available production summaries and lease records						
· ·	pon type of completion or upon use being made of the gas well herein named.  xemption from open flow testing for the Lewis #2						
gas well on the grounds that said							
gas well of the grounds that said	won.						
(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 a	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 th	e best of my ability any and all supporting documents deemed by Commission						
	this claim for exemption from testing.						
<b></b>							
Date: _12-23-2013							
Date.							
RECEIVED  KANSAS CORPORATION COMMISS	SION						
DEC 2 6 2013	Signature: Dedu Chuly						
CONSERVATION DIVISION	Title: Corporate Sec/Treas.						
Wichita, Ks							

## Instructions:

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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 #2

**LOCATION:** 36-21-41

**COUNTY: HAMILTON** 

Casing'.

**SHUT IN TIME: 12/09/13** 

**SHUT IN TAKEN: 12/12/13** 

TIME: 5:10 P.M. TIME: 5:20 P.M.

PRESSURE: 40#

**ON FLOW: 12/13/13** FLOW TAKEN: 12/14/13 TIME: 5:20 P.M. TIME: 5:30 P.M.

**DIFF:** 11"

**WORKING PRESSURE: 31# METER PRESSURE: 24#** 

> KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA, KS