Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				0	See Instruc	tions on Re	verse Side	e)					
	en Flo liverab				Test Date):			API 007	No. 15 23790 – 00	100			
Company M&M Exploration, Inc.			Lease Z Bar						Well Number 16-4					
County Barber			Location 660 FNL 660 FWL		Section 16		TWP 34		RNG (E/W) 14W		Acres Attribute 160		ttributed	
Field Aetna Gas Area			Reservoir Mississi		_		Gas Gathering Conne ONEOK		ection					
Completion Date 01/27/2012				Plug Back Total Depth 4900'				Packer Set at None						
Casing Size Weight 4.5 10.5			Internal E 4.052	Diameter		Set at 4940'		rations O'	то 4740'					
Tubing Size 2.375			Weight 4.7		Internal Diameter 1.995		Set at 4754'		Perforations		То			
Type Con Single (escribe)	-	Type Flui	d Production	n	<u> </u>	Pump U		Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus			g)	% Carbon Dioxide 0.0276				% Nitrog	jen		Gas Gravity - G _g 0.638			
Vertical D	_	1)	<u> </u>		0.0270		ssure Taps		2.000				rover) Size	
Pressure	Buildu	ID:	Shut in Se	pt 11	0 14 at 9	:15	(AM) (PM)	Taken S	ept 12	20	14 at 9:15		AM) (PM)	
Well on L											at			
				, <u> </u>		OBSERV	ED SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	lemperature Temperat		wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	٠.	Liquid Produced (Barrels)	
Shut-In	ut-In						psig 118	132.4	psig	psia				
Flow														
			Circle one:		-	FLOW ST	REAM ATTR	IBUTES					Flowing	
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Meter or pver Pressure psia	Press Extension √ P _m x h	Gra Fac F	tor	Flowing Temperature Factor Fit		viation actor F _{pv}	Metered Flor R (Mcfd)	(Cubic Fo	GOR (Cubic Feet/ Barrel)		
					(OPEN FL	OW) (DELI	VERABILITY) CALCUI	LATIONS		/P) ² = 0.2	207	
(P _c) ² =		_:	(P _w)² =	Choose formula 1 or 2				P _c - 14.4) -		:) ² =		
$(P_c)^2 \cdot (P_d)^2$ or $(P_c)^2 \cdot (P_d)^2$		(F	P _c) ² - (P _w) ²	1. P _c ² - P _n 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 _c ² - P _w ²	Sio As	essure Curv pe = "n" - or ssigned dard Slope	n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	_						-							
Open Flo)W			Mcfd @ 14.	65 psia		Deliverat	bility			Mcfd @ 14.65 ps	sia		
The	unders	signe	d authority, o	on behalf of the	Company,	states that	he is duly a			-	ort and that he h	as knov	ledge of	
the facts s	stated	there	in, and that s	aid report is tru	e and correc	ct. Execute	d this the <u>6</u>	ith	day of _	November NWW		Re	20 <u>14</u> . eceived	
			Witness	(if any)					Vin		Company KANS		DRATION COMMI	
			For Comm	mission						Che	ocked by C	NOV ONSERV	1 0 2014 ATION DIVISION CHITA, KS	

l declare	under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt statu	s 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
	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 Z Bar 16-4
gas well on th	ne grounds that said well:
(C	theck 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 further	agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nece	ssary to corroborate this claim for exemption from testing.
Date: Noven	nber 6, 2014
	Signature:

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 Received December 31 of the year for which it's intended to acquire exempt status for the subject well-and the status for the status for the status for the subject well-and the status for the status f

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