

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Insti	ructio	ons on Re	verse Side	e)					
□ Ор	en Flo	w.				- . - .										
De	liverab	oilty				Test [.] Date): 					1 No. 15 723068 - 00	00	٠		
Company M&M Exploration, Inc.								Lease Z Bar					Well Number 15-13			
County Location Barber 1025 FSL 515 FWL				Section 15				TWP 34		/W)	Acres Attri 160			attributed		
Field						Reservoir						thering Con	nection			
Aetna G						Ft. Scott	t	•			ONEO	K				
Completion Date 01/07/2007					Plug Back Total Depth 5060'			1	Packer None		ker Set at ne					
Casing Si 5.5	Casing Size Weight 5.5 15.5				Internal Diameter 4.950				Set at 5098'		orations 9'		то 4744 '			
Tubing Size Weight 2.375 4.7				Internal D 1.995	Internal Diameter 1.995			Set at 4794'		rations		То				
Type Com Single (•	•	escribe)			Type Fluid Saltwa					Pump U	nit or Travelin Unit	g Plunge	r? Yes	/ No	
Producing	Producing Thru (Annulus / Tubing)				% Carbon Dioxide			е			gen		Gas Gravity - G _g			
Annulus	3					0.212							0.6850			
Vertical D	epth(F	⊣)					Pi	essi	ure Taps					(Meter	Run) (Pi	rover) Size
Pressure	Buildu	ıp:	Shut in Ma	y 16	<u> </u>	0_13_at_10	0:00	((AM) (PM)	Taken_M	lay 17	20	13 at	10:00	(AM) (PM)
Well on L	ine:	;	Started	. '	20	0 at		<u></u> ((AM) (PM)	Taken	•	20) at		(AM) (PM)
							OBSER	VED	SURFAC	E DATA			Duration	n of Shut-	in	Hours
Static / . Dynamic Property	namic Si		Circle one: Meter Prover Press	Pressure Differential in		Flowing Well Head Temperature t t		- 1	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced . (Barrels)	
Property	· (iiicii	psig (P) Inches H ₂ 0				_	psig psia		psig psia		1			
Shut-In									50	64.4					ļ	
Flow									·						<u> </u>	
				т		Ti-	FLOW S	TRE	AM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: . Meter or Prover Pressure psia		Prëss Extension ✓ P _m x h		Gravity Factor F _g			Temperature I		viation Metered Flo actor R F _{pv} (Mcfd)		OW GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m
															•	
(D.)2 -	•		(D.)2			(OPEN FLO	OW) (DEI								² = 0.2	07
(P _c) ² =			(P _w) ² =		se formula 1 or 2:	P _d = .		%	T	P _c - 14.4) +		 -		(P _d)	- = T	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		 P_c² - P_a² P_c² - P_d² 		LOG of tormula 1. or 2. and divide p2 p2			Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 106		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
				' divide	d by: $P_c^2 - P_w^2$	by:			Stand	ага Бюре		<u> </u>			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Open Flov	v			N	Mcfd @ 14.6	65 psia			Deliverab	oility			Mcfd @	14.65 psi	ia	
												ne above rep	ort and th			
he facts st	ated t	herei	n, and that s	aid re	eport is true	and correct	. Execut	ed t	his the 91	tn '	_	eptember		K	CC'	²⁰ ¹³ WICHİTA
											(M	en.	W.			
			Witness	if any)				-				For	Company	9	SEP 2	2 3 2013
73			For Com	nission				-	_			Che	cked by		RE	CEIVED

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status 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
of equipment 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 15-13
gas well on 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
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.
named necessary to correspond to many for exemption from tooling.
0
Date: September 9, 2013
Signature: Munt
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 promotion of the year for which it's intended to acquire exempt status for the subject well. signed and dated on the front side as though it was a verified report of annual test results.