KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instru	ctions on Re	verse Side	e)			
Open Fl				Test Date	e:	•	÷	API N 007 2	io. 15 2 2964 - C	xo-0	
Company VI & M Expl	loration	on, Inc.				Lease Z Bar			117	15-4	Well Number
County Location Barber 1000'FNL & 600'FWL			Section 15		TWP 34S			RNG (E/W) 15W		Acres Attributed 160	
Field Aetna			Reservoir Ft. Scott				Gas Gathe	ering Conn	ection		
Completion Date 08-29-06			Plug Back Total Depth 4762'				Packer Se None	t at			
Casing Size Weight 10.5			Internal (4.052	Diameter	Set at 5098 '		Perforations 4726'		то 4734 '		
Tubing Size Weight 2.375 4.7			Internal I 1.995	Diameter		Set at 4751 '		Perforations			
Type Completion Single (Gas		scribe)			d Production			Pump Unit Pump U	or Traveling Init	g Plunger? Yes	/ No
Producing Thru	ı (Annı	ulus / Tubing)	% Carbon Dioxide				% Nitrogen		Gas Gravity - G _g	
Annulus				0.063				3.341		0.6799	
/ertical Depth(H)				Pre	ssure Taps				(Meter F	Run) (Prover) Size
Pressure Build	up: S	hut in Nov	ember 9 2	0 10 at 8	:00	_ (AM) (PM)	Taken_N	ovember	10 20	10 at 8:00	(AM) (PM)
Well on Line:	S	tarted	20	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
	T.	Circle one:			OBSERV	ED SURFAC				Duration of Shut-	inHours
Dynamic Si	fice ze hes)	Meter Prover Pressui		Flowing Temperature t	Well Head Temperatur	Wellhead	Pressure	Wellhead	oing I Pressure P _i) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0			psig 50	psia 64.4	psig	psia		
Flow											
	T				FLOW ST	REAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd	1	Circle one: Meter or rover Pressure psia Press Extension P _m x h		Gravity Factor F _g		Flowing Temperature Factor F ₁₁		Deviation Metered Flow Factor R (Mcfd)		w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
		, , , <u>, , , , , , , , , , , , , , , , </u>	***************************************	(OPEN FL	OW) (DELI	VERABILITY) CALCUI	ATIONS	-		
P _c) ² =	;		:	P _d =			•	+ 14.4 =	:	(P _a);	2 = 0.207 2 =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c)² - (P _w)²	Choose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slo As	essure Curve pe = "n" - or signed lard Slope	nvic	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow			Mcfd @ 14.	65 psia		Deliveral	pility			Mcfd @ 14.65 psi	a
The under	signed	authority, on	behalf of the	Company, s	states that	he is duly a	uthorized t	to make the	above repo	ort and that he ha	s knowledge of
			id report is true					day of No			, 20 10
					R	ECEIVE	D	Mr	em		RECEIV
Witness (if any)				DEC 0 1 2						Company	NOV 2 2
		For Commi				C WICH			One	олош Бу	KCC WIC

l de	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request											
exemp	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.												
											l he	ereby request a one-year exemption from open flow testing for the ZBar 15-4
											gas we	Il 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											
l fı	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission											
	s necessary to corroborate this claim for exemption from testing.											
Stall a	Theodosaly to contoborate this claim for exemplicative in terming.											
Data	November 19, 2010											
Date: _	November 19, 2010											
	Signature: Men ht											
	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 form must be signed and dated on the front side as though it was a verified report of annual test resulpation.

DEC 0 1 2010

KCC WICHITA