Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

المستعور

Type Test	: en Flo	w				(See Ins	tructi	ions on Re	verse Sid	e)							
Del	liverab	ilty				Test Date);					API No 007-2	o. 15 :1082-0001					
Company M&M Ex		ion,	lnc.						Lease Z Bar					- -	31-2	Vell Nur	nber	
County Barber			Locat		340 FEL	Section 40 FEL 31			TWP 33			RNG (E/W) 14W				Acres A	eres Attributed	
Field Aetna Gas Area				Reservoir Mississippian						as Gathering Connection			· · · · · · · · · · · · · · · · · · ·		•	_		
Completion Date 12/05/2008						Plug Bac 4920'	Plug Back Total Depth 4920'			Packe Non		acker Set at Ione						_
Casing Si 4.5	Casing Size 1.5			Weight 10.5			Internal Diameter 4.052			Set at 5931'		Perforations 4789'			то 4853'			_
Tubing Si 2.375	Tubing Size			Weight 4.7		Internal D 1.995		iameter		Set at 4901'		Perforations			То			_
Type Com Single (escribe)			Type Flui Saltwa						p Unit mp U	or Traveling nit	Plunge	er? Yes	/ No		_
Producing Thru (Annulus / Tubing) Annulus				% C 0.120	% Carbon Dioxide			-			6 Nitrogen 1.0362			Gas Gravity - G _g 0,6634				
Vertical D	epth(F	1)					5	Press	sure Taps	•							over) Size	•
Pressure	Buildu	p: :	Shut in Se	pt 1	11 20	0 14 at 3	:00		(AM) (PM)	Taken_S	ept 1	12	20	14 at	3:00	(,	AM) (PM)	
Well on L	ìne:		Started) at			(AM) (PM)	Taken			20	ai	1	(AM) (PM)	
						_	OBSE	RVE	D SURFAC	E DATA				Duratio	on of Shut-i	in	Hou	ırs
Static / Dynamic Property	namic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressur (P _w) or (P _t) or (P _c psig psis		Pressure	Duration (Hours)		Liquid Produced (Barrels)		
Shut-In									60	74.4		g	PU -					
Flow																	_	
				1			FLOW	STR	EAM ATTR	IBUTES				- 1				¬
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F _{ft}		I	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cúbic Fee Barrel)		Flowing Fluid Gravity G _m	
																	_	
(P.) ² =			(P _w) ² =	<u>=</u>	:	(OPEN FL	. ,		ERABILITY % (I	') CALCU P₀ - 14.4)						2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$				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 by:		1	Backpressure Slope = "r		Curve " n x		og [Antilog		Open Flow Deliverability Equals R _x Antilog (Mcfd)		ng
ļ 																		_
Open Flo	w				Mcfd @ 14.	65 psia			Deliverat					Mcfd @	14.65 psi	ia.		
		igne	d authority, o	n b		•	states ti	hat h		-	to ma	ıke the	above repo	rt and	that he ha	ıs know	ledge of	_
he facts s	tated t	herei	in, and that s	aid	report is true	e and correc	ot. Exec	cuted	this the 6	th	_		vember (Nh	<u> </u>	KANS	Re AS CORP	20 14 eceived DRATION CO	- · Ommiss
			Witness	(if an	у)			_			()	vri		Company			1 0 20	_
	•		For Com	missio	on	_		_		<u>.</u>			Che	cked by	C	ONSERV	ATION DIV	

	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	tatus under Rule K.A.R. 82-3-304 on behalf of the operator M&M Exploration, Inc. the 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
	nent 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 ZBar 31-2
	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 furth	her agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as n	ecessary to corroborate this claim for exemption from testing.
Date: No	ovember 6, 2014
	Signature: The Mark
	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 foregraphs be signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION