KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

MSM Exploration, Inc. Z Bar 18-13 Concept County	Type Test:	:		FOINT 3			ections on Re			ENADILII			
Company Comp	Оре	en Flow			Test Date	۵۰			ΔΡ	l No. 15			
MSM Exploration, Inc. Country Location Barbor 1:00 FSL 330 FWL 18	Deliverabilty				lest Date						000		
Sarber 1100 FSL 330 FWL 18 34 14W 16D	Company M&M Exploration, Inc.												
Actina Gas Area Mississippian Pub Back Total Depth None Packer Set at None Completion Date D2098/2012 5068* Weight Internal Diameter Set at None 10.5 4.052 10.5 4.05	,									/W)			
10.2092/012 5068 None	Field Aetna Gas Area					-				•	ection		
4.5	Completion Date 02/09/2012				~	k Total De	pth						
2.375 4.7 1.995 4936' Type Completing (Describe) Type Fluid Production Staltwater/Crude Pump Unit or Traveling Plunger? Ves / No Saltwater/Crude Pump Unit Producting Trru (Annulus / Tubing) Type Completing Trru (Annulus / Tubing) Type Trru (Annulus / Tu	-												
Single (Gas) Saltwater/Crude Pump Unit Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen O.6783 O.6094 Meter Run) (Prover) Size Pressure Buildup: Shut in September 3 20 13 at 2:00 (AM) (PM) Taken. September 4 20 13 at 2:00 (AM) (PM) Well on Line: Started O.70 at (AM) (PM) Taken. September 4 20 13 at 2:00 (AM) (PM) Well on Line: Started O.70 at (AM) (PM) Taken. September 4 20 13 at 2:00 (AM) (PM) OBSERVED SURFACE DATA Duration of Shut-in Hours Property Pressure Property Pressure (Inches) Prover Pressure (Inches) Pressure (Inches) Prover Pressure (Inches) Pressure (Inches) Prover Pressure (Inches) Pressure (Inches) Pressure (Inches) Pressure (Inches) Pressure (Inches) Prover Pressure (Inches) Pre					Diameter				orations	То			
Annulus	Type Completion (Describe)										eling Plunger? Yes / No		
Pressure Buildup: Shut in September 3 20 13 at 2:00 (AM) (PM) Taken September 4 20 13 at 2:00 (AM) (PM)	Producing	Thru (#	Annulus / Tubir	ng)		% Carbon Dioxide				•		Gas Gravity - G	
Pressure Buildup: Shut in September 3 20 13 at 2:00 (AM) (PM) Taken September 4 20 13 at 2:00 (AM) (PM) Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) OBSERVED SURFACE DATA Duration of Shut-in Hours Static Orifice Well Feed (Inches) Pressure (Inches) Pressure Property (Inches) Pressure Pressure Property (Inches) Pressure Pressure Pressure Property (Inches) Pressure Pressu										3 `			
Static / Orifice Circle one: Pressure Prover Pressure Press Extension Press P	Vertical Depth(H)				Pressure Taps						(Meter	Run) (Prover) Size	
Static / Orifice Circle one: Pressure Motor Pressure Property Circle one: Note one: Circle one: Note one: Circle one: Note one: Circle one: Coefficion Circle one: Circle one	Pressure I	Buildup:	Shut in Se	eptember 3 2	0_13_at_2	:00	_ (AM) (PM)	Taken_S	eptemb	er 4 ₂₀	13 at 2:00	(AM) (PM)	
State / Orifice Orifice Size Property (inches) Pressure Property (inches	Well on Li	ine:	Started	20) at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
Static / Orffice Size Water Motor Motor Motor (inches H,0) Pressure property (inches Size Property (inches Size Property (inches Size Property (inches H,0) Pressure psig (Pm) Inches H,0 Inches						OBSERV	ED SURFAC	E DATA			Duration of Shut	-in Hours	
Shut-In 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 150 164.4 165	Dynamic	Size	*Meter Differential		Temperature Temperatu		Wellhead Pressure		Wellhe	ead Pressure	Duration	Liquid Produced	
Flow STREAM ATTRIBUTES Plate Coefficient (F _p) (F _p) Meter or psia Coulor one: Meter or psia Press Extension Factor		(inches	1 1	l I	t	· t	psig	psia	- "			(
Plate Coefficient Meter or Prover Pressure State of the Coefficient (F _p) (F _p) (F _p) McId Prover Pressure psia Prover Prossure psia Prover							130	104.4	<u> </u>				
Coefficient (F _p)(F _p) Mode Prover Pressure psia Press (P _p) ² Extension F _q Factor F _q Factor F _p F _q Factor F _q						FLOW ST	REAM ATT	RIBUTES	J	1			
Coefficient (F _p)(F _p) Mode Prover Pressure psia Part Pman Factor Fact	Plate	,	Circle one:	Press				1	*			Flowing	
P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² = Open Flow	(F _b) (F _p)		Prover Pressure	Extension	Factor		Factor	Fa	ictor	R	(Cubic Fe	eet/ Fluid Gravity	
$ (P_c)^2 = $				<u> </u>				<u> </u>					
Choose formula 1 or 2: 1. P _c ² - P _a or (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² Deliverability Denomination of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 10th of the Company Winess (if any) Choose formula 1 or 2: 1. P _c ² - P _a ² 1. Og of formula 1. or 2. 2. P _c ² - P _a ² 3. Deliverability Assigned Standard Stope Note of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 10th of the Company Winess (if any) Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _a ² 3. Deliverability 3. Assigned Standard Stope Note of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 10th of the 10th	P _c) ² =		: (P _w) ² = : P _d = _			, ,				:			
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of me facts stated therein, and that said report is true and correct. Executed this the 10th day of September , 20 13 Witness (if any) Witness (if any)	•	P _a) ²	(P _c)² - (P _w)²	1. P _c ² -P _s ²	formula		Ślo	Slope = "n"		LOG	Antilog	Deliverability	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the	(P _c)²- (P) ²			and divide	P _c ² -P _w ²						1 ' 1	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the		-									T. 17427		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the	Open Flow			Mcfd @ 14.	55 psia		Deliverability				Mcfd @ 14.65 psia		
Witness (if any) For Company	The u	ındersigr	ned authority, o		.	states that		-	o make ti		· · · · ·	•	
Witness (if any) For Company	ne facts st	ated the	rein, and that s	said report is true	and correc	t. Execute	ed this the	0th	day of S	September		, 20	
A 0.0 (Witness	(if any)				< /r	W.		· · · · · · · · · · · · · · · · · · ·	KCC WICI	
For Commission Checked by SEP 23			EarCarr	mission						OF	skad hu	SEP 2 3 2	

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 18-13
gas well on the grounds that said well:
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. Date: September 10, 2013
Signature: Muellut 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 results.