KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			(See Instructions on Reverse Side)										
Open Flow Deliverability					Test Date		API No. 15 15-023-20846-00-00							
Company FOUNDATION ENERGY MANAGEMENT, LLC							Lease ZIMBEL	Lease ZIMBELMAN				Well Number 31-31		
County Location CHEYENNE NW-NE				Section 31		TWP 3S			/W)	Acres Attributed				
Field CHERRY CREEK				Reservoir NIOBRARA				Gas Gathering Conne		ection VKINDER MORGAN				
Completion Date 2/4/2008				Plug Bac 1662'	k Total Dep	th		Packer	Set at					
Casing S 7", 41/2"	lize	•••••	Weig 17#,	ht 10.5#	Internal Diameter 9-7/8",61/4"		Set at 324', 1704'		Perforations 1498'		то 1540'			
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"			Set at 1559'		orations	То			
Type Completion (Describe) SINGLE (GAS)					d Productio VATER	n	Pump Unit or Travelin YES		g Plunger? Yes / No					
Producing Thru (Annulus / Tubing) TUBING					% C	arbon Diox	ide	% Nitrogen		Gas Gravity - G _g				
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) S												Size		
Pressure Buildup: Shut in 1/15 20 14 at 12:30 PM (AM) (PM) Taken 20 at (AM) (PM)														
Well on Line: Started 1/16 20 14 at 12:30 PM (AM) (PM) Taken 20 at (AM) (PM)														
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm)		t temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Prodi (Barrels		
Shut-In	ut-in		paig (i iii)	11101001120			psig psia 100		psig psia					
Flow														
- Black			Circle one;	1 .		FLOW STE	REAM ATTRI	BUTES				Flor		
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _g		Temperature Fac		viation Metered Flow actor R = (Mcfd)		w GOR (Cubic Feet/ Barrel)		wing luid avity 3 _m	
(D \2 -			(D)2 -		•	, -	/ERABILITY)				•	= 0.207		
(P _c) ² =			$\frac{(P_w)^2 = \frac{1}{(P_c)^2 - (P_w)^2}}{(P_c)^2 - (P_w)^2} = \frac{Choose \text{ formula 1 or }}{1. P_c^2 - P_a^2}$		P _d =		% (P _c - 14.4) + Backpressure Curve				(P _d) ² = Open Fli		w	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		2.		2. P _c ² - P _d ² divided by: P _c ² - P _w	formula 1. or 2. and divide p 2 p 2		Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Deliverabi Equals R x A (Mcfd)	Antilog	
0 51			j	14.51.0.44	05!-		Dationality	Ph			M-43 @ 44.05			
Open Flow Mcfd @ 14.65 psia								Deliverability Mcfd @ 14.65 psia is duly authorized to make the above report and that he has knowledge of						
		-	•	in behalf of the aid report is true			-			,	rt and that he has	з кпоwledge , 20 <u>1</u> 4		
						KANSAS CO	Received PREPORATION CO	OMMISSION						
			Witness (if any)			P 0 3 2			For C	ompany	<u> </u>		
			For Comr	nission			• J 43	- • •		Chec	ked by			

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 Foundation Energy Management, LLC 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 ZIMBELMAN 31-31 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.
Date: 8/29/2014
Signature: Xull Market Title: OPERATIONS ASSISTANT

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 integering acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a well-side report of annual test results.