## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruct	tions on Reve	erse Side	<del>)</del> )				
	en Flow Niverabil				Test Date	e:				No. 15 023-20845-(	00-00		
Company FOUNDATION ENERGY MANAGEMENT, L				LLC	Lease LC ZIMBELN			Well Number 22-31			Well Number		
County Location CHEYENNE SE-NW				Section 31		TWP 3S		RNG (E/W) 41W		Acres Attributed			
Field CHERRY CREEK					Reservoir NIOBRARA			Gas Gathering Connection SOUTHERN STAR/KINDER MORGAN					
Completion 2/5/2008					Plug Baci <b>1689</b> '	k Total Dept	th		Packer S	Set at			
Casing Size 7", 41/2"			Weight 17#, 1			Internal Diameter 6.538",4.052"		Set at 309', 1729'		rations 4'	то 1552'		
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1573'		Perforations		То		
Type Con			scribe)			d Production				nit or Traveling		/ No	
Producing	_	Āπn	ulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	
Vertical D						Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure	Buildup	: 5	Shut in		0_15_at_1	2:00 PM	(AM) (PM) 7	aken		20	at	(AM) (PM)	
Well on L		5	Started 1/14	2	o <u>15</u> at <u>3</u>	:00 PM	(AM) (PM) 1	āken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 27 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Hea Temperature Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		7				-		120	psig	psia			
Flow													
			<del></del>			FLOW STR	EAM ATTRIE	UTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		1	Circle one: Meter or rer Pressure psia	Press Extension √ P <sub>m</sub> x h	Extension Fact		Flowing Femperature Factor	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m	
											<u> </u>		
(P <sub>c</sub> )² =		:	(P <sub>w</sub> )² =_	:	(OPEN FLO	• •	ERABILITY)		.ATIONS . 14.4 =	:	(P <sub>a</sub> ) <sup>;</sup> (P <sub>d</sub> ) <sup>;</sup>	? = 0.207 ? =	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	•	(P	)²- (P <sub>w</sub> )²	hoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2, and divide	P <sub>c</sub> <sup>2</sup> + P <sub>w</sub> <sup>2</sup>	Backpress Slope	ure Curve	, n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65 psi	a	
	-		•				•			•	rt and that he ha	•	
the facts s	tated the	ereir	ı, and that sai	d report is true	and correct				day of <u></u>	<u> </u>		, 20 15	
			Witness (if	any)	KAN	SAS CORPORA	eived ATION COMMISS	ION	<u> </u>	For C	ompany	•	
			For Cammis	sion		FEB 0	9 2015—			Chec	ked by		

CONSERVATION DIVISION VEICH TO KS

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
and that the fo	pregoing pressure information and statements contained on this application form are true and
correct to the b	est of my knowledge and belief based upon available production summaries and lease records
- *	nstallation and/or upon type of completion or upon use being made of the gas well herein named.  equest a one-year exemption from open flow testing for the ZIMBELMAN 22-31
	grounds that said well:
(Ch	eck one)
Į	is a coalbed methane producer
Ĺ	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
	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: <u>2/6/2</u> 01	5
	Received Signature: Light Touther
	FEB 0 9 2015 Title: OPERATIONS ASSISTANT
	CONSERVATION DIVISION

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.