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

	:: en Flo liverat		···-			( Test Date		ctions on Re	verse Side	API I	No. 15 23-20869-0	on on		
Company FOUNDATION ENERGY MANAGEMENT, L					Lease LC ZWEY			SARDT	19-0	23-20009-0		Well Number		
County Location CHEYENNE NWNW				Section 34		TWP 3S			RNG (E/W) 41W		Acres Attributed			
Field					Reservoir NIOBRARA			Gas Gathering Conr SOUTHERN STAF		ection VKINDER MORGAN				
Completion Date 2/6/2008				Plug Bac 1489'	k Total Dep	oth		Packer Set at						
Casing Size 7", 41/2"			Weight 17#, 10.5#			Internal D 6.538",			Set at 214', 1530'		Perforations 1361'		то 1400'	
Tubing Size 2-3/8""			Weight 4.7#			Internal D 1.995"	Diameter	Set at 1426'		Perforations		То	То	
Type Completion (Describe) SINGLE (GAS)				Type Flui	d Production			Pump Unit or Traveling YES - PUMP UNI						
Producing	-	(Anı	nulus / Tubir	ng)		% C	arbon Diox	ide		% Nitroge	ะก	Gas Gr	avity - G <sub>g</sub>	
Vertical D	epth(F	ł)					Pres	ssure Taps	•			(Meter	Run) (Prover) Size	
Pressure	Buildu	p: -	Shut in	28	2	0_15_at_9:	:00 AM	. (AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:		Started 1/2	29	2	0 15 at 9:	- ሲለ ለሰላ					at		
							OBSERVI	D SURFAC	E DATA			Duration of Shut-	in <u>24</u> Hours	
Static / Dynamic Property	mamic Size		Circle one: Meter Prover Pressure psig (Pm)		ressure ifferential in ches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	I Weilhead Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In								psig	120	psig	psia			
Flow	-													
			-				FLOW ST	REAM ATTR	IBUTES		<u>'</u>			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact  ✓ P <sub>m</sub> x h F <sub>q</sub>		or Temperature		Fa	riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> :	<b>=</b>	:	(OPEN FLO		<b>/ERABILITY</b> % (F	) CALCUL P <sub>c</sub> - 14.4) +		;	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> ==	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> and divide by:		P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Sto.	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 106		Open Flow Deliverability Equals R x Antilog (Mcfd)	
						<del> </del>		-						
Open Flor				Mo	cfd @ 14.			Deliverat	ility			Mcfd @ 14.65 psi	<u> </u>	
The (	ındersi	gned	d authority, o	on beh	alf of the	Company, s	tates that h	ne is duly a	uthorized t	o make the	above repor	rt and that he ha	s knowledge of	
						and correct	t. Executed	this the 6 ceived RATION COMMI	· · · · · · · · · · · · · · · · · · ·				, 20	
			Witness	(if any)		IV-IN		-	221UN		For C	ompany		
<del></del>			For Com	mission	<del></del>			0 9 2015		<del> </del>	Chec	ked by		
						(	MICH WICH	<mark>TION DIVIS</mark> IOI IITA, KS	V					

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•	enalty of perjury under the laws of the state of Kansas that I am authorized to request ule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
	pressure information and statements contained on this application form are true and
correct to the best of m	y knowledge and belief based upon available production summaries and lease records
• •	on 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 ZWEYGARDT 13-34
gas well on the ground:	s that said well:
<i>(</i> 2) <i>(</i> )	
(Check one)	
	coalbed methane producer ycled on plunger lift due to water
	source of natural gas for injection into an oil reservoir undergoing ER
	n vacuum at the present time; KCC approval Docket No.
	ot capable of producing at a daily rate in excess of 250 mcf/D
I further agree to so	upply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to co	orroborate this claim for exemption from testing.
Date: _2/6/2015 _	
Date	<del></del>
Re	eceived Signature:
	Title: OPERATIONS ASSISTANT
FFR	0 9 2015
	ATION 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.