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

Type Test	t:			(	See Instruct	ions on Rev	erse Side	<del>)</del>				
Open Flow Deliverabilty				Test Date	<b>:</b> :	API No. 15 15-023-20900-00-00						
Company FOUNDATION ENERGY MANAGEMEN				LLC		Lease ZWEYGARDT			Well Number 22-04			
County Location CHEYENNE NW-NW-SE-NW			Section 4		TWP 4S		RNG (E/W) 41W		Acres Attributed			
Field CHERRY CREEK				Reservoir NIOBRA				Gas Gathering Connection SOUTHERN STAR/KI				
Completion Date 5/28/2008			Plug Bac 1508	k Total Depti	P		Packer Set at					
Casing Size Weight 7", 4½" 17#, 10.5#			Internal E 6.538",		Set at 208', 1551'		Perforations 1342'		то 1381'			
Tubing Si 2-3/8""	Tubing Size Weight			Internal Diameter 1.995"		Set at 1413'		Perforations		То		
Type Completion (Describe) SINGLE (GAS)				Type Flui	1	Pump Unit or Travel YES, ROD PUI						
Producing Thru (Annulus / Tubing) ANNULUS				% Carbon Dioxide				% Nitrog			Gas Gravity - G <sub>g</sub>	
Vertical Depth(H)				Pressure Taps						(Meter F	Run) (Prover) Size	
Pressure	Buildup:	Shut in _3/24	2	15 at 9	:30 AM	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line: Started 3/25 20 15 at 9:30 AM (AM) (PM) Taken 20 at (/								(AM) (PM)				
			<del>-</del>	,	OBSERVE	D SURFACE	DATA			Duration of Shut-i	n_24Hours	
Static / Dynamic Property	amic Size Meter Diffe		Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		poig (t tit)	monos 11 <sub>2</sub> 0			psig	psia 70	psig	psia psia		-	
Flow												
			<del></del> -		FLOW STR	EAM ATTRI	BUTES			<del> </del>		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension P <sub>m</sub> xh	Gravity Factor		Flowing Temperature  Factor  Fig.  Fig.		ictor R		GOR (Cubic Feet/ Barrel) Fluid Gravity G <sub>m</sub>		
(P <sub>c</sub> ) <sup>2</sup> =		(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FLO	OW) (DELIV	•			•	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207	
(P <sub>c</sub> ) <sup>2</sup> - (I		$(P_c)^2 - (P_w)^2$ Choose formula 1 of 1. $P_c^2 - P_a^2$ 2. $P_c^2 \cdot P_d^2$		LOG of formula 1. or 2. and divide P 2 P 2		Backpressure Curve Slope = "n"		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog	
		d d	vided by: $P_c^2 - P_w$	2 by:		Standa	rd Slope				(Mcfd)	
		_										
Open Flow Mcfd @ 14			.65 psia		Deliverability		Mcfd @ 14.65 psia					
	_					•			*	ort and that he ha	•	
the facts s	tated ther	ein, and that sai	d report is tru-	e and correc				day of _	DECEMBER	··.·-	, 20 <u>15</u> .	
	· · · · · · · · · · · · · · · · · · ·	Witness (if	any)	KANSA	Receiv S CORPORATIO	red On Commissi <del>o</del>	N		For	Company		
		For Commis	···-		DEC 21	2015 -	<del></del> :			cked by		
		. or commit		^^	Norm				3,16			

CONSERVATION DIVISION WICHITA, KS

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 ZWEYGARDT 22-04 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: 12/17/2015
Signature:

## 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.