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

_ :	t: ien Flo iliverab		J.,_		Test Dat			ions on Reve	erse Side		No. 15 -023	3-20866-00-00		
Company								Lease					Vell Nu	mbor
		Ene	ergy Mana	gement, LL	С		Z۱	NEYGARI	DΤ			`	34-	
County Location CHEYENNE SWSE				Section	33		TWP 3S		RNG (E.	w) 1W	Acres Attributed			
Field CHERRY CREEK					Reservoir NIOBRARA					as Gathering Connection Southern Star/Kinder Morgan				
Completion Date 2/20/2008			Plug Bac 1561'	Plug Back Total Depth 1561'				Packer 8	Set at					
Casing Size Weight 7" 41/6" 17# 10.5#				Internal Diameter			Set at		rations	то 1410'				
7", 4½" 17#, 10.5# Tubing Size Weight			6.538, 4.052 Internal Diameter			216', 1603' Set at		1372' Perforations		To				
2-3/8 4.7#				1.995 1428'				, , , , ,						
Type Completion (Describe) SINGLE (GAS)					Type Fluid Production SALTWATER				Pump Ur	nit or Traveling		inger? Yes / No Yes-Rod Pump		
Producing ANNUL		(Anı	nulus / Tubin	3)	% (	% Carbon Dioxide				% Nitrog	en	Gas Gravity - G <sub>g</sub>		
Vertical D		1)				F	ress	sure Taps				(Meter F	lun) (Pi	rover) Size
				12/1	15 1	1.25 A	. В. Л							
Pressure	Buildu	p;	Shut in	12/1	20_15 at_	4.05 A	8.4					at		
Well on L	ine:		Started	12/2	20 <u>15</u> at 1	1:35 A	IVI	(AM) (PM) T	aken		20	at	(	AM) (PM)
				-	_	OBSE	RVE	D SURFACE	DATA			Duration of Shut-i	n2	4 Hours
Static / Orifice Dynamic Size Property (inches)		е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	al Temperature Tem		ead iture	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_c)$ psig psia		·Duration (Hours)	Liquid Produced (Barrels)	
Shut-in	Shut-In							psig 120	psia	psig	pşia	-		
Flow														`
						FLOW	STR	EAM ATTRIB	UTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xh	Extension Fa		т.	Flowing emperature Factor F <sub>II</sub>	erature Factor		Metered Flov R (Mcfd)	v GOR (Cubic Fee Barrel)	et/	Flowing I Fluid Gravity G <sub>m</sub>
							-							
	,			_	(OPEN FL	OW) (DE	LIVI	ERABILITY) (	CALCUL	ATIONS	•	(P.)²	= 0.2	 07
(P <sub>c</sub> ) <sup>2</sup> =		<u> :                                     </u>	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P₀≕		<u> </u> 9	6 (P <u>.</u>	- 14.4) +	14.4 =	<u>:</u> :	(P <sub>d</sub> )2		
$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or a  1. P <sub>c</sub> <sup>2</sup> - P <sub>g</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>g</sub>	P <sup>2</sup> -P <sup>2</sup> LOG of formula P <sup>2</sup> -P <sup>2</sup> 1. or 2. and divide		,2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
											1			
Open Flow Mcfd @ 14.				.65 psia	65 psia Deliverability				Mcfd @ 14.65 psia					
				n behalf of the aid report is tru							-	ort and that he had CEMBER		ledge of 15
			Witness (i	f any)		ANSAS CO		ceived RATION COMMIS	SSION		En-/	Сотралу		
		_												
<u></u>			For Comm	ission		UE	<u>.</u>	1 0 2015			Che	cked 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 operatorFoundation 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 record 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 theZWEYGARDT 34-33 gas well on the grounds that said well:	nd ds
(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 Commis staff as necessary to corroborate this claim for exemption from testing.	sion
Date: 12/1/2015	
Signature: Lauto O'K- Title: HSE/Paylorery Tech	-

## 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.