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

Type Test	: en Flo	w	ÇIL.		Test Date		tions on Re	verse Side	•	No. 15	1 1201	
Del	liverab	ilty			lest Date	<del>;</del> .				023-20501 <b>-</b> 0	0-00	
Company FOUNDATION ENERGY MANAGEMENT, L					LLC		Lease ZWEYG	Lease ZWEYGARDT			Well Number 24-32	
County Location CHEYENNE SESW			n	Section 32		TWP 3S			RNG (E/W) 41W		Acres Attributed	
Field CHERRY CREEK					Reservoir NIOBRARA				Gas Gathering Conne SOUTHERN STAR		ection VKINDER MORGAN	
Completic 9/9/2003		e			Plug Bac 1524'	k Total Dep	th		Packer S	et at		
Casing Size 7", 41/2"			Weight 17#, 1		Internal Diameter 6.538",4.052"			Set at 307', 1566'		rations 0'	то 1436'	
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1356'		Perforations		То	
Type Completion ( SINGLE (GAS			escribe)		Type Fluid Production SALTWATER				Pump Unit or Traveling YES, ROD PUMP			
Producing ANNUL	-	(Ani	nulus / Tubing	•	% C	arbon Dioxi	ide		% Nitrog	en	Gas Gra	vity - G <sub>g</sub>
Vertical D	epth(F	1)			-	Pres	sure Taps				(Meter R	un) (Prover) Síze
Pressure	Buildu	•	Shut in	2	0_15_at_3	:00 PM	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Li	ine:		Started 2/12	2	0 <u>15</u> at <u>3</u>	:00 PM	(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACI	E DATA	-		Duration of Shut-in	24 Hours
Static / Orifice Dynamic Size Property (inches		е	Circle one: Meter Prover Pressul psig (Pm)	Pressure Differential in Inches H,0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			P0.9 %/	moned 1120	_		psig	psia 70	psig	psia		
Flow												
			<u></u>		1	FLOW STE	REAM ATTR	IBUTES				<del></del>
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor - F		Temperature F		viation Metered Flow factor R F <sub>pv</sub> (Mcfd)		(Cubic Fee Barre!)	Flowing Fluid Gravity G_m
					1							
(D.)2			/D \2		•		'ERABILITY					<b>= 0.207</b>
(P <sub>c</sub> )² =		<u> </u>		hoose formula 1 or 2	P <sub>d</sub> =			ceure Curv	ĺ		(P <sub>d</sub> ) <sup>2</sup>	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Wided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2. and divide by:	P.2-P.2	Backpressure Curv Slope = "n" or Assigned Standard Slope		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
									-			
Open Flo				Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psia	1
		lana	d authority ca	<u> </u>	<u> </u>	datan ibat b		•	ta maka #		rt and that he has	•
			in, and that sa		_	t. Executed	this the 2			ECEMBER	rt and that he has	, 20 <u>15</u>
					KA		Ce <mark>ived</mark> RATION COMM	ISSION				ı
			Witness (if	any)		JAN	0 4 2018	· · · · · · · · · · · · · · · · · · ·		For C	Company	
			For Commi	ssion		CONSEDIV	TION DIVISIO			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 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 24-32 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: 12/28/2015
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.