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

Type Test	t:		(See Instructions on Reverse Side)										
Open Flow Deliverability						API No. 15 15-023-20871-00-00							
Company FOUNDATION ENERGY MANAGEMENT, L					LLC		Lease ZWEYG				Well Number 41-34		
County Location CHEYENNE NENE				Section 34		TWP 3S			∕ <b>W</b> )	Acres Attributed			
Field CHERRY CREEK				Reservoir NIOBRARA				Gas Gathering Conn SOUTHERN STAR		nection R/KINDER MORGAN			
Completion Date 2/8/2008				Plug Bac 1554'	k Total De	pth		Packer Set at					
Casing Size 7", 41/2"			Weigh 17#,		Internal Diameter 6.538",4.052"			Set at 212', 1596'		rations 9'	то 1398'		
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"			Set at 1416'		rations	То		
Type Completion (Describe) SINGLE (GAS)					d Production	on	Pump Unit or Trave YES - PUMP						
Producing Thru (Annulus / Tubing) ANNULUS				% C	arbon Diox	kide	% Nitrogen		jen	Gas Gravity - G <sub>q</sub>			
Vertical E	epth(F	1)		·		Pre	ssure Taps				(Meter R	un) (Prover) Size	
Pressure	Buildu		Shut in 1/2	32	0_15_at_8	:00 AM	_ (AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:		Started 1/25	9 20	0 <u>15</u> at <u>8</u>	:00 AM	_ (AM) (PM)	Taken		20	at	(AM) (PM)	
		•				OBSERV	ED SURFACE	DATA			Duration of Shut-i	24.0 Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Heat Temperature t		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	-		pa.g ()	110100 1720			psig	psia 70	psig	psia .			
Flow											<u>-</u>		
			Circle one:		<del></del>	FLOW ST	REAM ATTRI	BUTES		-	<del></del>	<u> </u>	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or ever Pressure psia	Press Extension √ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature F		viation         Metered Flow actor           R         R           F <sub>pv</sub> (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
				<u>-</u>									
					(OPEN FL	OW) (DELI	VERABILITY)	CALCUL	ATIONS			= 0.207	
$(P_c)^2 = $	<del></del>	<u>-:</u> -	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> ≃	<del></del>	_% (P	<sub>c</sub> - 14,4) +	14.4 =	:	(P <sub>d</sub> ) <sup>2</sup>	=	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide D 2.		Backpressure Curvi Slope = "n" or Assigned Standard Stope		n x 106		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							<u>.</u>						
Open Flow Mcfd @ 14.65 p				65 psia	psia Deliverability			Mcfd @ 14.65 psia					
		_	•	behalf of the			-			ne above repor EBRUARY	t and that he has	knowledge of	
are ideia 3	iaiou II	10161	ii, and that Sc	ia teboir is tide		6	Peralvad		uay UI		<del></del>	, 20	
			Witness (i	any)		ECD	PORATION COMA			For Co	ompany		
			For Comm	ission		F 52.3	0 9 2015	1		Chec	ked 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 41-34 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: 2/6/2015
Received Signature:  WANSAS CORPORATION COMMISSION  Title: OPERATIONS ASSISTANT  CONSERVATION DIVISION WICHITA, KS

## 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.