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

=	t: en Flo eliverat		J		Test Date		tions on Re	verse Side	AP	I No. 15 -023 <b>-</b> 20844-0	00-00		
Company FOUNDATION ENERGY MANAGEMENT, LL							Lease ZWEY(	Lease ZWEYGARDT			Well Number 24-31		
County Location CHEYENNE SESW				Section 31		TWP 3S			/W)	Acres Attributed			
Field CHERRY CREEK					Reservoir NIOBRA			Gas Gathering ( SOUTHERN S			onnection FAR/KINDER MORGAN		
Completion Date 6/17/2008					Plug Bac	k Total Dep	oth	Packer Set a		Set at			
Casing Size W				ht 11.6#		Internal Diameter 9-7/8",61/4"		Set at 318', 1681'		orations ·6'	то 1504'		
Tubing S 2-3/8""	ize		Weig 4.7#		Internal (	Internal Diameter 1.995"		Set at 1413'		orations	То		
Type Completion (Describe) SINGLE (GAS)				Type Flui	d Productio				Pump Unit or Traveling Plunger? Yes / No YES			<del></del>	
	g Thru		nulus / Tubir	ng)	% C	arbon Diox	ide		% Nitro	gen	Gas Gr	avity - G	i <sub>s</sub>
Vertical D		i)				Pres	ssure Taps				(Meter F	Run) (Pr	over) Size
Pressure	Buildu	p:	Shut in 3/2	26 2	14 at 1	0:00 AM	. (AM) (PM)	Taken		20	at	(	AM) (PM)
Well on Line:			Started 3/2	272	14 at 1	4.4 AO-OO AM		(AM) (PM) Taken					
						OBSERVE	ED SURFAC	E DATA	,		Duration of Shut-	in_24	Hours
Static / Orifice Dynamic Size Property (inches		е	Circle one: Meter Prover Press psig (Pm)		Temperature Temper				Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							parg	94	poig	рзіц			
Flow				l									
Γ	1		<u> </u>	1		FLOW ST	REAM ATTR	IBUTES			<u> </u>	ī	
Plate Coefficcient (F <sub>p</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Extension Fact		Flowing Temperature Factor F <sub>It</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
				<u> </u>	(OPEN FLO	OW) (DELIV	/ERABILITY	) CALCUL	ATIONS				27
(P <sub>c</sub> ) <sup>2</sup> =	<u>-</u> -	_:_	(P <sub>w</sub> ) <sup>2</sup> :	=:			% (I	P <sub>c</sub> - 14.4) +	14.4 =	:	-	? = 0.20 ? =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d$	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog Deliv		en Flow verability R x Antilog Mcfd)
					_					_			
05				N. 11 0 44	25		Dalli sasah	. Urb.			U-1-1-1-0-14-05		
Open Flor		nner	f authority o	Mcfd @ 14	<b>.</b>	tates that h	Deliverat		n make ti		vicid @ 14.65 psi		edge of
		•	•	aid report is tru			•			•			
			\$6.F	N4	KANSA	Recei s corporat	ived ION COMMISS	ION		# · =		_	
			Witness	••		SEP 0	3 2014				ompany		
			For Comr	THSSION	CO	ONSERVATIO WICHIT				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 theZWEYGARDT_24-31 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: 8/29/2014  Simplify: Algebra Chather
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 the manual test results.