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

Type Test	<b>.</b>		ONE		OINI 3				n FLOV ons on Rev			CHABILITY	I IES!			
<u> </u>		w				,	Jec 11130	LICIT	ons on nev	eise Siuc	•					
Open Flow Test Date:											API	No. 15 023-2	21085-00-00	l		
Company	,			•					Lease		_		<del></del>	Well Nu	ımber	
Foundation Energy Management, LLC								Z۷	VEYGAR	DT				11-3		
County Location CHEYENNE NE-SE-NW-NW					Section	Section 32			TWP 3S		RNG (E/W) 41W		Acres A	Attributed		
Field						Reservoir				Gas Gathering Conne						
						NIOBRARA Plug Back Total Depth					outhern Star	'				
Completic 9/10/20		te				Plug Bac 1644'	k Total D	epth	ı		Packer S	Set at				
Casing Size Weight					Internal Diameter			Set at		rations	To					
7", 4 ½" 17# 11.6# Tubing Size Weight				6.538, 4.000 Internal Diameter			280', 1687' Set at		1440'		1480'					
Tubing Size Weight 2.7#					1.995			1502'		Tations	10					
Type Completion (Describe)					• •	Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No ROD PUMP			AD.			
SINGL		(Anı	nulus / Tubir	na)			SALTWATER % Carbon Dioxide							Gravity - G		
ANNUL		(,	1000	· <del>u</del> /		,5 0	<b>41001</b> , D.		•		,0 1411.0g	, 2.11			-g	
Vertical D	epth(H	1)					P	ressi	ure Taps				(Meter	Run) (P	rover) Size	
				1	0/8	14 1	1-20 AI	N /		•						
Pressure	Buildu	p:	Shut in	_	0/8 2	0_14 at _1	1.30 AI	<u> V </u> (	(AM) (PM)	Taken		20 .	at		(AM) (PM)	
Well on L	ine:		Started	11	0/9 2	14 at 1	1:30 A	<u>vi</u> (	(AM) (PM)	Taken		20 .	at		(AM) (PM)	
							OBSEE	VFD	SURFACE	Ε ΒΔΤΔ	_		Duration of Shu	tain 4	24 Hours	
Static /	Orifi	Circle ono:			Pressure	Flowing	Well Head		Casing		Tubing					
Dynamic	Siz	ize Prover Pres		Differential sure in		Temperature Tem	Temperat		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inch	es	psig (Pm)	)	Inches H <sub>2</sub> 0	t	t	_‡	psig	psia	psig	psia		1		
Shut-In									70							
Flow								;						1		
·							FLOW S	TRE	AM ATTRI	BUTES	•					
Plate			Circle one:		Press	Grav	rity		Flowing	Dev	iation	Metered Flow	GOR	1	Flowing	
Coeffictient		Meter or Prover Pressure		Extension		Factor F <sub>g</sub>		Temperature Factor		Factor F <sub>pv</sub>		R (Mcfd)	(Cubic Feet/ Barrel)		Fluid Gravity	
Mcfd		psia		√ P <sub>m</sub> xh		' 9			F <sub>R</sub>	<u>'</u>	pv ((victo)		Daire		G <sub>m</sub>	
						(OPEN FL	OW) (DEI	LIVE	RABILITY)	CALCUL	ATIONS		(P.	)² = 0.2	207	
P <sub>c</sub> )2 =		<u>_:</u>	(P <sub>w</sub> ) <sup>2</sup>		;	P <sub>a</sub> =		_%	(P,	<sub>c</sub> - 14.4) +	14.4 =	<del></del> :	(P	)2 =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> )²- (P <sub>w</sub> )²		Choose formula 1 or 2:  1. $P_c^2 - P_a^2$		LOG of formula 1. or 2.		7	Backpressure Curve Slope = "n"					Open Flow Deliverability Equals R x Antilog		
or (P <sub>a</sub> ) <sup>2</sup> ~ (P <sub>d</sub> ) <sup>2</sup>				2. P <sub>e</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup>				,	<del>-</del> -	or Assigned		LOG	Antilog			
	a'			divid	ded by: $P_c^2 - P_w^2$		P <sub>e</sub> 2-P <sub>w</sub> 2			ard Slope		_		<u> </u>	(Mcfd)	
														<u></u>		
<u> </u>					<del>-</del>											
Open Flov			•		Mcfd @ 14.	65 psia			Deliverabi	lity			/lcfd @ 14.65 p	sia		
•		ianer	authority 4	on h	ehalf of the	Company.	tates the	t he	is duly au	thorized t	o make th	ne above repor	t and that he h	as know	ledge of	
					report is true								EMBER		20	
ie iacis Si	iaieu I	nerel	n, and mat s	ed (U	report is true	anu conec	. EXECU	ieu l	UIF					<del></del> ,		
			Witness	(if arm	v)			-	_			ForCa	K empany	ANSAS CO	Received PRECRATION CO	
			•+mess	tu eni	,, 			_						NO	<del>V 14-2</del> 0	
			Far Com	missio	on	- <del>-</del>						Check	ked by		-	
														CONSE	ERVATION DIVIS WICHITA, KS	

exemp and the correct	leclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named.
- '	ereby request a one-year exemption from open flow testing for theZWEYGARDT 11-32B
	ell on the grounds that said well:
I fu	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
	arther agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as	s necessary to corroborate this claim for exemption from testing.
Date: _	11/12/2014
	Signature: Nathur  OPERATIONS ASSISTANT

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.

Received KANSAS CORPORATION COMMISSION