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

Type Test	<b>:</b> :				(	See Instruction	ons on Reve	erse Side	e)				
$=$ $\cdot$	en Flo liverab				Test Date	<b>)</b> :			API	No, 15 -023	-20899-00-00		
Company	<del></del> _						Lease				<u> </u>	Well Number	
Founda	ation	Ene	rgy Manag	ement, LLC	3	ZV	VEYGARI	TC				12-4	
County CHEYE	NNE		Location SW-N		Section	4	TWP 4S		RNG (E/ 41	W)  W	, ,	Acres Attributed	
Field				Reservoir NIOBRARA				Gas Gathering Connection Southern Star/Kinde					
Completio 2/2/200		е			Plug Bac 1413'	k Total Depth	1		Packer S	et at			
Casing S 7", 4½"			Weigh	#, 10.5#	Internal D 6.450	Diameter 6, 4.052	Set at 183'	, 1456	Perfo	rations 1388'	то 1425'		
Tubing Si	ize		Weight		Internal Diameter		Set at		Perforations		То		
2-3/8				4.7#		.995	1.	465'					
Type Con SINGL	-		escribe)			d Production WATER			Pump Ur	it or Traveling		/ No od Pump	
		(Ann	ulus / Tubing	)	% C	arbon Dioxid	е		% Nitrog	en	Gas Gra	avity - G <sub>g</sub>	
ANNUL						,							
Vertical C	epth(F	1)			•	Press	ure Taps	ī			(Meter F	lun) (Prover) Size	
Pressure	Buildu	p: \$	Shut in	12/16 2	0 15 at 1	2:50 PM	(AM) (PM) 1	Taken		20	at	(AM) (PM)	
Well on L	ine:	;	Started	12/172	<u>0 15</u> at 1	2:50 PM	(AM) (PM) 1	Taken		20	at	(AM) (PM)	
			<u>.</u>			OBSERVED	SURFACE	DATA			Duration of Shut-i	n 24 Hours	
Static / Dynamic	Orifi Siz		Circio one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casin Wellhead P	ressure	Wellhe	ubing ad Pressure	Duration	Liquid Produced	
Property	(inch	es)	Prover Pressu psig (Pm)	re In Inches H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (P <sub>t</sub> )	psia	(P <sub>w</sub> ) or psig	(P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)	
Shut-In							120						
Flow													
						FLOW STRE	EAM ATTRIE	BUTES			Г		
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)		Circle one: Meter or ver Pressure psla	Press Extension P <sub>m</sub> xh	Grav Fact	tor Te	Flowing emperature Factor F <sub>11</sub>	Fa	riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G <sub>m.</sub>	
<b>(</b> 2.10)			<b>45.10</b>		•	OW) (DELIVE	-					= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =		<u>-:</u>	(P <sub>w</sub> )² =	Choose formula 1 or 2	P <sub>a</sub> =	<u>_</u> %	1	- 14.4) +		<del></del> : <sub>1</sub>	(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>d</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2, P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpressure Curve Slope = "n"or Assigned		n x 106		Antilog	Open Flow Deliverability Equals R x Antilog	
, gr .	a'		ı	divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	2 by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		rd Slope				(Mcfd)	
					_	-							
Open Flo	w			Mcfd @ 14.	.65 psia		   Deliverabil	itv			Mcfd @ 14.65 psi	 a	
		ignec	authority, or	•		states that he		<u> </u>	to make th		rt and that he ha	,	
he facts s	tated t	nerei	n, and that sa	id report is true	e and correc	t, Executed	this the	18	day of	DEC	EMBÉR	, 20	
					K	Rec ANSAS CORPOR	ceived RATION COM <u>MI</u>	SSION					
			Witness (i	any)		IAN	0 4 2015			For C	company		
			For Comm	ssion		<del></del> -	TION DIVISIO	·NI		Chec	ked by		

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operatorFoundation Energy Management, LLC
and that t correct to of equipm I here	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for theZWEYGARDT 12-4 on the grounds that said well:
	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  er agree to supply to the best of my ability any and all supporting documents deemed by Commission excessary to corroborate this claim for exemption from testing.
D <b>ate</b> :	12/18/2015
	Signature: HSE/Regulatory 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.