Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(See Instruct	tions on Reve	erse Side)					
Open Flow Deliverabilty			,	Test Date:				API No. 15 15-023-21327-00-00						
Company FOUND		I EN	IERGY MAN	ERGY MANAGEMENT, LLC				Lease ZWEYGARDT				Well Number 41-32B		
County Location CHEYENNE SWNENENE					Section 32			RNG (E/W)		421	Acres Attributed			
Field CHERR	Y CRE	ĖK			Reservoir NIOBR/					hering Conne IERN STAR	ection KINDER MOR	GAN		
Completic 9/1/2011		∌.			Plug Bac 1583'	k Total Dept	th		Packer S	Set at		K	C Ia	
Casing S 7", 41/2"	ize		Weigh 17#, 1		Internal Diameter 6.538",4.052"		Set at 280', 1623'		Perforations 1422'		то 1460'	MA	CEIVEL	
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995"		Set at 1469'		Perforations		То	RA	× 8 20	
Type Completion (De SINGLE (GAS)					Type Fluid Production SALTWATER				Pump Unit or Traveling Plui YES - ROD PUMP			/ No	CEIVEL	
	Thru		nulus / Tubing)		arbon Dioxi	de		% Nitrog		Gas Gr	avity = G	}-/8	
Vertical D)		· ·		Pres	sure Taps				(Meter 1	Run) (Pr	over) Size	
	<u>.</u>		Shut :_ 3/24	<u> </u>		:00 PM		<u>. </u>						
Pressure Buildup: Shut in 3/24 20 15 at 1:00 PM (AM) (PM) Taken 20 at						-								
.			•								•	, 24		
Otalia i	046		Circle one:	Pressure	Elevino		D SURFACE Casin		<u> </u>	rubing	Duration of Shut-	in	Hours	
Static / Orifice Dynamic Size Property (inches		e Prover Pressure		Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead Pressure (P _w) or (P _t) or (P _o)		Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-În			F-13 (1 11)	mondo rigo	7		psig:*	psla . 59	psig	psia			· · · - " -	
Flow										1			·	
	- 1		·- · —	·		FLOW STR	REAM ATTRIE	BUTES			_			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fact	or 1	Flowing Temperature Factor F _{ri}		eviation Metered Factor R F _{pv} (Mcf		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
			j					<u> </u>				'		
(P _c) ² =			(P _w)² =		- "		ERABILITY)	CALCUL - 14.4) +		•	(P _{,a}) (P _d)	² = 0.20) 7'	
(P _c) ² - (F	2)2	(P	(P _w) ² - (P _w) ²	thoose formula 1 or 2 1. P _o ² - P _o ² 2. P _o ² - P _o ² (vided by: P _o ² - P _o ²)	LOG of formula	P.2. P.2	Backpress Slope	sure Curve = "n" or gned	n x I		Antilog	Op Deli Equals	en Flow verability R x Antilog Mofd)	
				1410-00 by: 1 g 1 w	3,						31			
	Ï				Ì	· -		,		,	ar .		•	
Öpen Flow			Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia			
				behalf of the					o make th day of <u>M</u>		rt and that he ha		edge of 20 <u>15</u> .	
			Witness (if	any)			_			For C	ompany			
			For Commi	sion				<u> </u>		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 41-32B
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: 5/4/2015 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.