KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Rev	erse Side))					
Open Flow			Ti D-4-				4.01	N- 45						
De	liverat	ilty			Test Date) ;				No. 15 023 -20949 -0	0-00			
Company FOUNDATION ENERGY MANAGEMENT, L				LLC	LC		Lease ZWEYGARDT				Well Number 21-6			
County Location CHEYENNE NE-NW				Section 6			TWP 4S		RNG (E/W) 41W		Acres Attributed			
					Reservoir NIOBRARA			Gas Gathering Conn SOUTHERN STAR		ection VKINDER MORGAN				
Completion Date 2/27/2008				Plug Bac 1651'	k Total Dep	th		Packer Set at						
Casing Size 7", 41/2"			Weigh 17#,	t 10.5#	Internal Diameter 9-7/8",61⁄4"		Set at 293', 1693'		Perforations 1492'		To 1531'			
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1542'		Perforations		То			
Type Completion (Describe) SINGLE (GAS)			escribe)	Type Fluid Production SALTWATER			n		Pump Ur YES	nit or Traveling				
Producing TUBING	_	. (Aл	nulus / Tubing	3)	% C	arben Dioxi	ide		% Nitrog	en	Gas Gra	avity -	Gg	
Vertical D	Depth(l	H)				Pres	sure Taps				(Meter F	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in 3/2	5 2	14 at 2	:00 PM	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on L	ine:		Started 3/2	<u>.</u>	0 <u>14</u> at <u>2</u>	:00 PM	(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	ո <u>24</u>	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential ire in Inches H ₀ 0	Flowing Well Head Temperature t t		(P _w) or (P _t) or (P _c)		Tubing Weilhead Pressure: (P _w) or (P ₁) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-in			paig (i iii)	miches 11 ₂ 0			psig	psia 100	pslg	psia				
Flow														
						FLOW STR	REAM ATTRIE	BUTES					Ī	
Plate Coeffictient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		W GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		•	(P _w) ² =		(OPEN FLO		ERABILITY) % (P	- 14.4) +		,	(P _a)² (P _a)²	= 0.2 =	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide P 2 P 3		Backpressure Curve Slope = "n"		n x l OG		Antilog	O _l Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	<u> </u> w		ļ	Mcfd @ 14.	65 psia		Deliverabil	ity			 Mcfd @ 14.65 psi			
The i	unders	-	-		Company, s	12	e is duly aut	horized to		e above repo	rt and that he has	s know	tedge of 20 14 .	
			Witness (i	any)		ONSER!	1 J ZU <u>I*</u> JISIVID NOITA\			For C	ompany			
			For Comm	ission		WI	CHITA, KS —	DIN.		Chec	ked by			

exempt status under Rule K.A.R. 82 and that the foregoing pressure in correct to the best of my knowledge of equipment installation and/or upon	ury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator Foundation Energy Management, LLC formation and statements contained on this application form are true and and belief based upon available production summaries and lease records on type of completion or upon use being made of the gas well herein named. Emption from open flow testing for the ZWEYGARDT 21-6 rell:
is a source of nation is on vacuum at is not capable o	thane producer nger lift due to water atural gas for injection into an oil reservoir undergoing ER the present time; KCC approval Docket No f producing at a daily rate in excess of 250 mcf/D best of my ability any and all supporting documents deemed by Commission his claim for exemption from testing.
Date: 9/11/2014	
Received KANSAS CORPORATION COMMISSION SEP 15 2014 CONSERVATION DIVISION WICHITA, KS	Signature: OPERATIONS ASSISTANT 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.