KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:		-		(See Instruct	tions on Re	verse Side	;)					
Op	en Flo	w			T4 D-4				A D1	No 15				
De	eliverab	ilty			Test Date	3;				No. 15 <mark> 023-21093-</mark> (00-00			
Company FOUNDATION ENERGY MANAGEMENT, LL				LLC		Lease ZWEYG	Lease ZWEYGARDT			Well Number 21-32B				
County Location CHEYENNE SE-NW-NE-NW			Section 32		TWP 3S		RNG (E/W) 41W		Acres Attributed					
Field CHERR	Y CRI	EEK				Reservoir NIOBRARA				thering Conn	Connection STAR/KINDER MORGAN			
9/10/200	-	е			Plug Bac 1599'	k Total Dept	h		Packer \$	Set at				
Casing Size 7", 41/2"			Weigh 17#,	nt 11.6#	Internal Diameter 9-7/8",61/4"		Set at 280', 1642'		Perforations 1414'		то 145 4'			
Tubing Size Weight 2-3/8"" 4.7#			nt	Internal Diameter 1.995"		Set at 1413'		Perforations		То	То			
Type Completion (Describe) SINGLE (GAS)				d Production VATER			Pump Unit or Traveling P YES		Plunger? Yes					
Producing TUBING		(Ann	nulus / Tubin	g)	% C	arbon Dioxí	de	-	% Nitro	jen	Gas Gr	avity - (ā,	
Vertical D	Depth(F	ł)			•	Pres	sure Taps				(Meter I	Run) (P	rover) Size	
Pressure	Buildu	•	3/2 Shut in	5 2	0_14_at_1	1:00 AM	(AM) (PM)	Taken		20	at	((AM) (PM)	
Well on L	ine:	\$	Started 3/2	6 2	0 <u>14</u> at <u>1</u>	1:00 AM	(AM) (PM)	Taken		20	at	((AM) (PM)	
						OBSERVE	D SURFAC	DATA			Duration of Shut-	_{in_24}	Hours	
Static / Orifice Dynamic Size Property (inches		e	Meter Differ		Howing Well-Head Temperature		(P _w) or (P _t) or (P _a)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_a)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig	psia 60	psig	psia				
Flow										-				
						FLOW STR	EAM ATTR	BUTES						
Plate Coefficcient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension Pmxh	Gravity Factor F _g		Flowing Deviation emperature Factor F _{pt}		actor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
					•	OW) (DELIV						² = 0.2	07	
(P _c) ² =		_:_	(P _w) ² =	Choose formula 1 or 2	P _a =		i	· - 14.4) +		:	(P _a)	°= 		
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_a)^2$		(P,	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d$		LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n"				Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
0				M-64 @ 44	CFi-		Daliversh	III.			Model @ 14 CE to			
Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 psi			
		-	•	n behalf of the	•	t. Executed	-	<u> </u>	day of _S	EPTEMBER	ort and that he ha		ledge of 20 <u>14 </u>	
			Witness (if any)		SE	-	014		For (Company			
			For Comm	nission			DIVATION DIV		·	Che	cked by			

exempt status under Rule K.A.R. 82-3 and that the foregoing pressure info correct to the best of my knowledge a of equipment installation and/or upon	ry under the laws of the state of Kansas that I am authorized to request 3-304 on behalf of the operator Foundation Energy Management, LLC rmation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named.
gas well on the grounds that said we	nption from open flow testing for theZWEYGARDT 21-32B II:
is a source of nate is on vacuum at the state is not capable of	ger lift due to water ural gas for injection into an oil reservoir undergoing ER ne present time; KCC approval Docket No producing at a daily rate in excess of 250 mcf/D est of my ability any and all supporting documents deemed by Commission
Date: 9/11/2014	
Received KANSAS CORPORATION COMMISSION SEP 15 2014 CONSERVATION DIVISION WICHITA, KS	Signature: Nathur Title: 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.