KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				('See Instructi	ons on Reve	erse Side	e)					
Open Flow					Test Date	ą·		API No. 15						
De	liverabi	lty								23-20800-0	0-00			
Company FOUNDATION ENERGY MANAGEMENT, L				LLC	•	Lease ZWEYGARDT				Well Number 21-05				
County Location CHEYENNE NENw				Section 5		TWP 4S		RNG (E/W) 41W		Acres Attributed				
Field CHERRY CREEK					Reservoir NIOBRARA			Gas Gathering Conne SOUTHERN STAR/						
Completio 10/5/200		3			Plug Bac 1506'	k Total Depti	ו		Packer S	et at	· · · · · · · · · · · · · · · · · · ·			
Casing Size 7", 41/2"			Weigh 17#, 9		Internal Diameter 6.538",4.090"		Set at 240', 1551'		Perforations 1380'		то 1452'			
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1413'		Perforations		То			
Type Completion (Describe) SINGLE (GAS)				Type Flui	d Production VATER	· · · · · · · · · · · · · · · · · · ·			it or Traveling					
	Thru	•	nulus / Tubinç	;)		Carbon Dioxid	le		% Nitrog			avity - G _g		
Vertical D)				Press	ure Taps				(Meter F	lun) (Prover) Size		
Dragoura	Deilleba	,	Shut in	14	, 15 ₋ , 1	2:30 PM	(ABA) (DBA) 7	Fall and			at	(444) (744)		
Pressure Well on L	•		Started 12/	15 20	15 at 1	2:30 PM	(AM) (PM) :	raken Taken		20	at	(AM) (PM)		
												24		
Static /	Orific	ne.	Circle one:	Pressure	Flowing	Well Head	O SURFACE Casin	_	7	ubing	Duration of Shut-i	nu		
Dynamic Property	Size (inche	,	Meter Prover Pressu psig (Pm)	Differential in Inches H ₂ 0	•	Temperature t	Wellhead P	or (P _c)	(P _w) or	ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			F-19 (1 111)	,			psig	psia 50	psig	psia				
Flow														
				<u> </u>		FLOW STRI	EAM ATTRIE	BUTES	<u>-</u>		1	 .		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Factor F.		Flowing emperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G_m		
							·							
·-					·	OW) (DELIVE	•					= 0.207		
(P _o) ² =	" T	_:_	(P _w) ² =	Choose formula 1 or 2:	P _a ≔	 *	1		14.4 =		(P _d) ²	=		
(P _c) ² - (F or (P _c) ² - (F		(P	a)2 - (P _w)2	1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Slope Assi	sure Curve e = "n" or gned rd Slope	l n x 3	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
								•						
Open Flow Mcfd @ 14,6			65 psia	5 psia		Deliverability		Mcfd @ 14.65 psia						
The u	undersi	gned	authority, or	behalf of the	Company, s	states that he	e is duly aut			-	rt and that he ha	s knowledge of		
the facts s	tated th	erei	n, and that sa	aid report is true	and correc	_			day of A	UGUST		, 20 <u>14</u> .		
			Witness (i	f any)	KAN	Rece SAS CORPORAT	IVea ION COMMI <u>ss</u> i	ION		Enr	ompany			
						DEC 2	1 2015 _							
			For Comm	BOIOII	,	ONOFFICE				Unec	ked by			

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC going pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the ZWEYGARDT 21-05 pounds 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 at to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 8/29/2014	Signature: Lauto Oloc Title: 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.