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

Type Tes	it:				(	See Instruc	tions on Rev	erse Sid	e)					
Open Flow Deliverability						Test Date: API No. 15 15-023-20787-00-00								
Company FOUNDATION ENERGY MANAGEMENT, LLC								Lease ZWEYGARDT				Well Number 14-33		
County Location CHEYENNE SWSW			Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed					
Field CHERRY CREEK				Reservoi NIOBRA			,	Gas Gathering Cond SOUTHERN STAI		ection VKINDER MORGAN				
Completion Date 10/4/2007				Plug Bac 1508'	k Total Depi	th	Packer		Set at	- · · · · · · · · · · · · · · · · · · ·				
Casing Size 7", 41/2"			Weigi 17#,		Internal Diameter 9-7/8",61⁄4"		Set at 253', 1554'		Perforations 1312'		то 1352'	то 1352'		
Tubing Size 2-3/8""			Weigl <b>4.7</b> #	nt	Internal Diameter 1.995"		Set at <b>1566'</b>		Perforations		То	То		
					Type Fluid Production SALTWATER			Pump Unit or Traveling		Plunger? Yes / No				
	g Thru	<u>-</u> -	nulus / Tubin	g)	% C	arbon Dioxi	đe		% Nitrog	en	Gas G	avity -	G <sub>g</sub>	
Vertical [		H)			<del></del>	Pres	sure Taps				(Meter	Run) (F	rover) Size	
Pressure	Build	up:	Shut in1/8	2	0 14 at 8	:40 AM	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Line: Started 1/9			2	14 at 1	2:10 PM	(AM) (PM)	M) (PM) Taken		20 at		(AM) (PM)			
						OBSERVE	D SURFACE	DATA			Duration of Shut	<sub>in_27</sub>	.50 <sub>Hou</sub>	
Static / Orific Dynamic Size Property (inche		ze	Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Welfhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig pista		Duration (Hours)			
Shut-In	hut-In							46	psig	pala				
Flow														
		]	Circle ons:		1	FLOW STR	EAM ATTRI	BUTES	1		<u>-</u>			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Pro	Meter or over Pressure psia	Press Extension Pmxh	Grav Fact F <sub>g</sub>	or   1	Flowing Temperature Factor F <sub>it</sub>		riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>ef</sub>	
(P <sub>c</sub> )² =		;	(P_) <sup>2</sup> =	:;	(OPEN FLO	_	<b>ERABILITY)</b>	- 14.4) +		<b>i</b> .	(P <sub>a</sub> ) (P <sub>d</sub> )	² = 0.2 ² ⇔	:07	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide by:	P.2 - P.2	Backpressure Curve Slope = "n" or		ı n x l	.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)		
Open Flow Mcfd @ 14.65 psia							Deliverabili	Deliverability			Mcfd @ 14.65 psia			
The use facts s	unders	signed therei	l authority, o	n behalf of the	Company, s	tates that h	e is duly auti طائعة 11	norized t		e above repor EPTEMBER	t and that he ha		ledge of 20 14	
				F-// # 1/4 <b>0</b>	KAI	_		SION	,		<del>"</del>	·		
			Witness (i	f any)			5 2014			For Co	ompeny			
			For Comm	nission	(	CONSERVATI WICHII	ON DIVISION FA, KS			Check	ed bý	· · · ·		

exempt status under Rule K.A.R. 82	jury 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								
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 up	on type of completion or upon use being made of the gas well herein named.  emption from open flow testing for the ZWEYGARDT 14-33								
is cycled on plu is a source of notes is on vacuum at is not capable of the supply to the	ethane producer Inger lift due to water atural gas for injection into an oil reservoir undergoing ER It the present time; KCC approval Docket No.  of producing at a daily rate in excess of 250 mcf/D  be best of my ability any and all supporting documents deemed by Commission this claim for exemption from testing.								
Received  kansas corporation commission  SEP 15 2014  CONSERVATION DIVISION  WICHITA, KS	Signature: Make National Signature: 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.