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

	t: en Flo diverat		J.,		( Test Date		ions on Reve	erse Side	, API	No. 15 023 <b>-</b> 21326-0	no-oo		
Company FOUNDATION ENERGY MANAGEMENT, L						Lease ZWFYGA					Well Number 23-32B		
County Location CHEYENNE NE-NW-NE-SW			Section 32		TWP 3S		RNG (E/W)			Acres Attributed			
Field CHERR		EEK			Reservoir NIOBRA					hering Conne	ection /KINDER MOR	GAN	
Completic 9/1/2011		te			Plug Bac 1554'	k Total Dept	th		Packer S	Set at			
Casing Size Weight 7", 4½" 17#, 10.5#			Internal [ 9-7/8",6	-	Set at 284', 1631'		Perforations 1415'		то 1466'				
Tubing Size Weight 2-3/8"" 4.7#				Internal [ 1.995"		Set at 1492'		Perforations		То	То		
Type Con				· · · · · · · · · · · · · · · · · · ·	Type Flui	d Production			Pump Ur YES	nit or Traveling	Plunger? Yes	/ No	
	g Thru		nulus / Tubing	))	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G	<del></del>
Vertical D		H)	_			Pres	sure Taps			<del></del>	(Meter F	Run) (Pro	over) Size
Pressure	Buildu	ıp:	Shut in3/20	<u> </u>	0 14 at 1	1:00 AM	(AM) (PM) 1	aken		20	at	(A	M) (PM)
Well on L		•	Started 3/27	72	0 14 at 1	1 ለበለ በበነተ					at		
			,			OBSERVE	D SURFACE	DATA			Duration of Shut-	<sub>in_</sub> 24	Hours
Static / Orific Dynamic Size Property (inche		e	Circla one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Well He Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Produced arrels)
Shut-In								100					
Flow								_					_
Plate			Circle one:	•	Τ		Flowing	BUTES					Flowing
Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd			Meter or over Pressure psia	Press Extension Pmxh	Grav Faci F <sub>c</sub>	or Temperature		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		ERABILITY) (P <sub>c</sub>	CALCUL - 14.4) +		:	(P <sub>a</sub> ) <sup>2</sup> (P <sub>a</sub> ) <sup>2</sup>	e 0.20	7
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	°,)2-(P <sub>w</sub> )2	Choose formula 1 or 2.  1. $P_0^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2. and divide	b.s. b.s	Backpress Slope 	= "n" r gned	100	roe	Antilog	Deliv Equals	n Flow erability R x Antilog Acfd)
									-				
Open Flov	w			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65 psi	a	
The u	unders	igned	authority, or	behalf of the	Company, s	tates that h	e is duly auti	orized t	o make th	e above repo	rt and that he ha	s knowle	edge of
the facts st	tated t	herei	n, and that sa	id report is true		R	this the 29 eceived PORATION COMA		day of <u>A</u>	UGUST		, 2	0 14
			Witness (il	any)		<del></del>	0 3 2014			For C	ompany		
			For Commi	ssion		CONSERV	/ATION DIVISION CHITA, KS			Chec	ked by		

exempt status under Ru and that the foregoing correct to the best of my of equipment installation	ralty of perjury under the laws of the state of Kansas that I am authorized to request the K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC pressure information and statements contained on this application form are true and knowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. The production from open flow testing for the Table 2005.
gas well on the grounds	
is cy is a s is on √ is no I further agree to su	coalbed methane producer cled on plunger lift due to water cource of natural gas for injection into an oil reservoir undergoing ER vacuum at the present time; KCC approval Docket No t capable of producing at a daily rate in excess of 250 mcf/D apply to the best of my ability any and all supporting documents deemed by Commission proborate this claim for exemption from testing.
Date: 8/29/2014	
	Signature: Kukil Mathe
	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 and dated on the front