KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	::					6	See Inst	ructie	ons on Re	verse Side	e)						
Open Flow Deliverabilty					Test Date) :			API No. 15 15-023-21008-00-00								
Company FOUNDATION ENERGY MANAGEMENT, LI					LLC		-	Lease WORK	Lease WORKMAN				Well Number 44-31B				
County Location CHEYENNE NE-NW-SE-SE					Section 31				TWP 3S		RNG (E/W) 41W			Acres Attributed			
· ·					Reservoir NIOBRA						hering Conn IERN STAF		DER MORGAN				
•					Plug Back 1607'	Plug Back Total Depth 1607'			Packer Set at				_	-			
Casing Size Weight				Internal Diameter 9-7/8",61/4"			Set a 302	it ', 1616'	Perforations 1452'			т _о 1490'					
Tubing Size Weight				Internal E	Internal Diameter			Set at 1506'		Perforations			То				
					Type Fluid Production SALTWATER				Pump Ur YES	Pump Unit or Traveling Plunger			er? Yes / No				
Producing Thru (Annulus / Tubing) TUBING				% C	% Carbon Dioxide				% Nitrog	en		Gas Gravity - G _g					
Vertical Depth(H)						Pressure Taps				(Meter Run) (Prover) Siz					rover) Size		
Pressure	Buildu	ıp:	Shut in 2/	19	2	0_14_at_1	1:30 Al	M	(AM) (PM)	Taken		20			((AM) (PM)	
Well on Line: Started 2/20 20					0 14 at 1	14 at 11:30 PM (AM) (A				en 20			_ at (AM) (Pr		AM) (PM)		
							OBSEF	3VE	SURFAC	E DATA			Durat	tion of Shut-i	n_24	Hours	
Static / Orifi Dynamic Siz Property (inch		e Prover Pressu		ure	Pressure Differential In Inches H ₂ 0	Flowing Well He Temperature Tempera		Malihaad Praceura			Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia					d Produced Barrels)	
Shut-In			_ , ,		2				paig	96	pong	pola					
Flow															_		
	- 1			_			FLOW S	STRE	EAM ATTR	BUTES	T						
Plate Coeffiecient (F _B) (F _B) Mofd		Pro	Circle one: Meter or over Pressure psia		Press Extension ✓ P _m xh	Grav Fact F _g	or Ter		mperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		y GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G _m	
				<u> </u>]				
(P _c) ² =	<u> </u>	_:_	(P _w) ²		:	(OPEN FLO	DW) (DE	%) CALCUI ² c - 14.4) +		<u>:</u> _		(P _a) ² (P _a) ²	= 0.2 ==	07 	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(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: $P_c^2 - P_w^2$		LOG of formula 1, or 2, and divide by:		Backpressure Ci Slope = "n" Or Assigned Standard Slop		oe = " n" - or signed	9 _ n x 1	LOG [Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
														· -			
Open Flor	<u> </u>				 Mcfd @ 14.	65 psia			Deliverab	ility			Mefd	@ 14.65 psi			
-		igned	authority,				tates tha	at he			o make th	e above repo				ledge of	
		-	in, and that s						•			•				20 14 .	
			Wes-	/ f a=	A	KANSAS	Rece CORPORA	eive ATION	d COMMISSIO	N		5	Comme	•			
Witness (If any) For Commission							SEP (0 3 2014					For Company Checked by				
			. 3. 2311			CO	NSERVAT	ION	DIVISION			5110	,				

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator <u>Foundation Energy Management, LLC</u>
_	of my knowledge and belief based upon available production summaries and lease records
• •	llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the WORKMAN 44-31B
	ounds 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 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: <u>Nacio</u> Mathur Title: <u>OPERATIONS ASSISTANT</u>

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-increasure reading shall be filed with the Wichita office no later than December 31 of the year for which the shall be signed and dated on the front side as the report of annual test results.