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

Type Test	t:				6	See Instruct	tions on Reve	erse Side	r)				
Open Flow					Test Date:				API No. 15 -023-21208-00-00				
De	eliverat	oilty			iosi Daio						_		
Company Foundation Energy Management, LLC					Lease RAY						,	Well Number 41-17	
			Locati		Section 17		TWP 2S		RNG (E/W) 38W		Acres Attributed		
Field CHERRY CREEK				Reservoir NIOBRARA				ering Conne ern Star	ction				
Completion Date 1/20/2009				Plug Back Total Depth 1535'			Packer Se	et at					
Casing Size			Weigh			Internal Diameter		Set at		Perforations		To 43001	
7", 41/2"				7#, 10.5#	6.538, 4.052		298', 1579'		1350'		1380'		
Tubing Size 2-3/8"			Weigh	4.7#	Internal Diameter 1.995		Set at 1412'		Perforations		То	:	
Type Completion (Describe)				•	Type Fluid	1		Pump Uni	t or Traveling		/ № D PUMP		
SINGLE (GAS) Producing Thru (Annulus / Tubing)					SALTWATER  % Carbon Dioxide			% Nitroge			avity - G		
ANNUL	_			3)	,							· •	
Vertical D	Depth(I	H)				Pres	sure Taps	•			(Meter I	Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in	10/28 2	0_14_at_9	9:00 AM	(AM) (PM)	aken		20 .	at	(AM) (PM)	
Well on Line: Started10/29				10/29 20	o <u>. 14.</u> at <u>1</u>	0:00 AM	(AM) (PM)	(PM) Taken		20	at	(AM) (PM)	
					_	OBSERVE	D SURFACE	DATA			Duration of Shut-	in 25 Hou	
Static / Dynamic	· · · · ·		Circle one: Meter Prover Presst	Pressure Differential	Flowing Temperature	Well Head Temperature	i Wellhood Prossure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	(inches) Prover Fress psig (Pm)		Inches H <sub>2</sub> 0	t ·	t					KCC	WICHIT	
Shut-In						•	222						
Flow					_						DEC	. 1 1 2014	
				,		FLOW STR	REAM ATTRI	BUTES			R	<u>ECEIVED</u>	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter ot Prover Pressure psia		Press Extension	Grav Fact F <sub>g</sub>	tor	Flowing Femperature Factor F <sub>rt</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravitu	
(P) <sup>2</sup> =			· (P <sub>w</sub> )² =		(OPEN FLO		ERABILITY)		ATIONS 14.4 =		(P <sub>s</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 = \frac{(P_c)^2 - (P_A)^2}{\text{or}}$ $(P_c)^2 - (P_C)^2$			P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>			Backpressure Curv Slope = "n"		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog	
	- a'			divided by: Pc - Px	by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		rd Slope		L J		(Mcfd)	
Open Flo	)W			Mcfd @ 14.	65 psia		Deliverabil	ity		1	vlcfd @ 14.65.ps	la	
				n behalf of the aid report is true							t and that he ha	as knowledge of, 20	
							_						
			Witness (	if any)						ForC	ompany		
			For Come	nission			_			Chec	ked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 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 upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the RAY 41-17
(Check one)  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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/5/2014  WCC WICHITA  DEC 1 2014  DEC 1 2014  Signature:

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.