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

Type Test	:				(	See Instruct	tions on Reve	erse Side	)					
`	en Flo liverab				Test Date:				API No. 15 -023-20887-00-00					
Company		End	aray Mana	rement II (	Lease LAMPE						,	Well Number 13-28		
Foundation Energy Management, LLC County Location Cheyenne NWSW					Section	28	TWP 3S	TWP		RNG (E/W) 41W		Acres Attributed		
Field					Reservoir			Gas Gathering Connection						
CHERRY CREEK						NIOBRARA Plug Back Total Depth				Southern Star/Kinder Morgan Packer Set at				
Completion Date 6/4/2008					1594			racker 3	et at					
Casing Size Weight 7", 4 ½" 17# 11.6#				Internal [		Set at 294', 1623'		Perforations 1440'		To 1478'	<sub>То</sub> 1478'			
7 , 4 ½ 1/# 11.0# Tubing Size Weight				9 7/8, 61/4" Internal Diameter		Set at		Perforations		To				
2 3/8" 4.7#					1.995 1281			281						
Type Completion (Describe) SINGLE					SALT	Type Fluid Production SALTWATER			Pump Unit or Traveling Plunger? Yes / No YES			YES		
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G <sub>g</sub> TUBING											avity - G <sub>g</sub>			
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size														
Pressure	Buildu	ıp:	Shut in	6/4 2	0_14_at_8	B:45 AM	(AM) (PM) 1	aken		20	at	(AM) (PM)		
Pressure Buildup:       Shut in       6/4       20       14 at       8:45 AM       (AM) (PM) Taken       20       at       4         Well on Line:       Started       6/5       20       14 at       1:45 PM       (AM) (PM) Taken       20       at       4									(AM) (PM)					
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 29.0 Hour		
Dynamic Si		rifice Circle Size Prover Pi		Pressure Differential re in	Flowing Temperature t	Well Head Temperature	Mollhood Proceuro		Tubing Wellhead Pressure $(P_{\mathbf{v}})$ or $(P_{\mathbf{t}})$ or $(P_{\mathbf{c}})$		Duration (Hours)	Liquid Produced (Barrels)		
Property	(inches)		psig (Pm)	Inches H <sub>2</sub> 0	'	,	psig	psia psig		psia				
Shut-In							118							
Flow						EL OW STE	EAR ATTRE	HITEC	L			<u> </u>		
Plate		_	Circle one:	B		- 1	Flowing	i	1			Flowing		
Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xh	tension Fact		or Temperature		iation ctor : pv	Metered Flow R (Mcfd)	(Cubic Fe	Ebrid		
		-							]		<u> </u>			
(P <sub>c</sub> ) <sup>2</sup> =		_;	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL	• •	ERABILITY)	- 14.4) +		:	(P <sub>a</sub> ): (P <sub>a</sub> ):	? = 0.207 ? =		
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_a)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Theose formula 1 or 2 1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of tormula		Slope	sure Curve e = "n" n x origned		.og	Antilog	Open Flow Deliverability Equals R x Antilog		
			- '	livided by: $P_c^2 - P_w^2$	2 by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Standar	d Slope				(Mcfd)		
												_		
Open Flow Mcfd @ 14.65 ps					65 psia	psia Deliverability			Mcfd @ 14.65 psia					
		•	•	behalf of the	and correc	t. Executed Rece		11	o make th	SEP	rt and that he ha TEMBER	s knowledge of, 20		
			Witness (if	апу)		SEP 1 5 2014			For Company					
			For Commi	ssion			ION DIVISION ITA, KS			Chec	ked by			

exempt status under Rule K.A.R. 82- and that the foregoing pressure infectorrect to the best of my knowledge of equipment installation and/or upon I hereby request a one-year exe gas well on the grounds that said we (Check one)										
$\vdash$	is a coalbed methane producer is cycled on plunger lift due to water									
<b>=</b>	tural gas for injection into an oil reservoir undergoing ER									
$\vdash$	he present time; KCC approval Docket No									
is not capable of	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:										
Received KANSAS CORPORATION COMMISSION SEP 15 2014 CONSERVATION DIVISION WICHITA, KS	Signature: Audilo Nathroc  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.