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

Type Test	t:				(	See Instruc	tions on Reve	erse Side	<del>)</del> )					
Open Flow Deliverabilty					Test Date	<b>):</b>		API No. 15 15-023-20231-00-00						
Company FOUNDATION ENERGY MANAGEMENT, L					LLC	LC		Lease WORKMAN			Well Number 43-31			
County Location CHEYENNE NE-SE				Section 31		TWP 3S		RNG (E/W) 41W		Acres Attributed				
				Reservoir NIOBRA					hering Conne IERN STAR	nnection AR/KINDER MORGAN				
Completic 4/6/1985		te	-		Plug Bac 1662'	k Total Dep	th		Packer S	Set at		<u> </u>		
Casing S 7", 41/2"	ize	Weight 17#, 10.5#			Internal Diameter 9-7/8",61/4"		Set at 276', 1608'		Perforations 1490'		то 1515'			
Tubing Si	ize		Weigl 4.7#	Internal Diameter 1.995"		Set at 1508'		Perforations		То				
Type Con			escribe)	Type Flui	Type Fluid Production SALTWATER				Pump Unit or Traveling Plu		lunger? Yes / No			
	g Thru		nulus / Tubin	g)	% C	arbon Diox	ide		% Nitrog	en	Gas Gr	avity - G <sub>g</sub>		
Vertical C		H)		.,,		Pres	sure Taps				(Meter	Run) (Prover) Size		
	Buildu	JD:	3/1	0a	14 at 1	1:00 AM	(AM) (PM) 1	aken		20	at	(AM) (PM)		
Well on L							(AM) (PM) Taken							
				-		OBSERVE	D SURFACE	DATA _		_	Duration of Shut-	in 24 Hou		
Static / Orific Dynamic Size Property (inche		ze	Circle one: Meter Prover Press		temperature temper		Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$		Tubing Wellhead Pressure (P,) or (P,) or (Po)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0		_	psig	psia p		psia				
Flow			-					·		<u> </u>				
						FLOW STE	REAM ATTRIE	SUTES			1	· , -		
Plate Coefficcient (F <sub>b</sub> )(F <sub>p</sub> ) Mcfd		Circle one: Meter at Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Grav Fact F <sub>s</sub>	or i	Factor Fac		riation Metered Flow actor R F <sub>PV</sub> (Mcfd)		GOR (Cubic Fe Barrel)	Gravitu		
								<u> </u>						
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =	·:	(OPEN FLO		/ERABILITY) % (P <sub>e</sub>	CALCUL - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	2 = 0.207 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(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>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure ( Slope = "n" or Assigned Standard Slo		n v i	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
					ļ									
Open Flor		_	<u> </u>	Mcfd @ 14.	65 psia	-	Deliverabili	ty		 1	Mcfd @ 14.65 ps	ia		
		igne	d authority, o		<u> </u>	tates that h	ie is duly auti	norized t	o make th	e above repoi	rt and that he ha	is knowledge of		
the facts si	tated t	herei	n, and that s	aid report is true		1100	this the 29 Selved ATION COMMISS		day of A	UGUST		, <sub>20</sub> <u>14</u>		
Witness (if any)						SEP 0 3 2014			For Company					
			ForCom	nission		CONSERVAT WICH	TION DIVISION ITA, KS			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 WORKMAN 43-31
gas well on the grounds that said well:
(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: 8/29/2014
Signature: XICOL MATHUE  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 is interior commission. Exercise 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. SEP 0 3 2014