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

Type Test:					(	See Instruct	tions on Reve	erse Side	<del>;</del> )					
Open Flow			Tool Date				A DI	No. 15			,			
Deliverabilty				Test Date 3/11/20			API No. 15 15-023-20231-00-00							
Company FOUNDATION ENERGY MANAGEMENT, L				LLC		Lease WORKM	AN			43-31	Well Number 43-31			
County Location CHEYENNE NE-SE				Section 31		TWP 3S		RNG (E/W) 41W		ı	Acres Attributed			
				Reservoir NIOBR/			Gas Gathering C SOUTHERN ST			nnection AR/KINDER MORGAN				
Completion Date 4/6/1985					Plug Bac 1662'	k Total Dept	in		Packer S	Set at				
Casing Size 7", 41/2"			Weight 17#, 1	Internal Diameter 6.538", 4.052"		Set at 276', 1608'		Perforations 1490'		то 1515'				
Tubing Size 11/4"			Weight 4.7#		Internal Diameter 1.995"		Set at 1508'		Perforations		То	То		
Type Com			escribe)			Type Fluid Production SALTWATER				nit or Traveling		ger? Yes / No		
Producing Thru (Annulus / Tubing) ANNULUS			1	% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G <sub>g</sub>				
Vertical D		<del>(</del> )				Press	sure Taps				(Meter F	Run) (Pi	rover) Size	
Pressure	Buildu	p:	Shut in 3/10	2 2	0_15_at_2	:30 PM	(AM) (PM) T	aken		20	at	(	AM) (PM)	
Well on L	ine:		Started 3/11	0 15 at 2	15 at 2:30 PM (		(PM) Taken		20	at	(AM) (PM)			
,						OBSERVE	D SURFACE	DATA			Duration of Shut-	<sub>in_24</sub>	Hours	
Static / Orifice Dynamic Size Property (inches		0	Circle one: Meter Prover Pressui	Pressure Differential e in	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$		Duration (Hours)	Liquid	Liquid Produced (Barrels)	
Shut-In	(111011		psig (Pm)	Inches H <sub>2</sub> 0			psig	psla 107	psig	psia	٠			
Flow														
1						FLOW STR	EAM ATTRIE	UTES	,		<del></del>		,	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	ion Factor		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
	I				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P")	<sup>2</sup> = 0.2	 07	
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =_	:		9	% (P <sub>c</sub>	- 14.4) +	14.4 =	:	(P <sub>d</sub> )			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		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> vided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide p2.p2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antild (Mcfd)		
				video by. I c I w										
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabili	ity			Mcfd @ 14.65 ps	ia		
		•	•		• •		•			•	rt and that he ha		- -	
the facts s	tated t	herei	in, and that sa	d report is tru	e and correc	_	this the _3_ Received		day of <u></u>				<sub>20</sub> <u>15</u> .	
			Witness (if	any)			PORATION COM	MISSION_		For (	Company	_		
			Eas Carr —	celon		<b>DEC</b>	1 0 204	5		Char	cked by			
			For Commi	HUIG		· — <del>-</del>				Cned	ven nà			

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: 12/7/2015
Signature: Lauto Ollo
Title: <u>Itst/Maglatory Tech</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-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.