KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	: en Flo liverab			_		Test Date			tions on Re	verse Side	•	_{I No. 15} -023	-20993	-com			
Company									Lease	-				V	Vell Nu		
	ation_	Ene			ment, LLC				DOUTH	<u> </u>					12-2		
County CHEYE	NNE		Locat SWS		WNW	Section	21		TWP 45	;	RNG (E	:/w) :1W		A	cres A	ttributed	
Field	1111		3110		*****	Reservoir			- 10			thering Conne	ection				
Cherry	Cree	k Ni	obrara Ga	as A	Area	Niobrar	а					nern Star					
Completio		e				Plug Bac	k Total [Dept	h		Packer	Set at					
8/26/20 Casing S			Weig	ht		1427 Internal (Niamata.		Set a	1+	Port	 orations		То			
7", 41/2"			17#, 11.6#			6.538", 4.00"			121, 1468		1253			1292			
Tubing Size		Weight			Internal Diameter			Set at		Perforations			То				
2-3/8"				4.	7#		.995			1309							
Type Con Single		-	escribe)			Type Flui saltwa		ctior	1		Pump U	Init or Traveling	Plunger?	Yes A		P	
	<u> </u>		nulus / Tubin	ig)			arbon D	ioxi	de		% Nitro			Gas Gra			
ANNUL	.US	•		٠.											-	y	
Vertical D	epth(l-	l)	,				F	res	sure Taps					(Meter R	un) (Pr	over) Size	
Pressure	Buildu	р: :	Shut in	11	<u>/24</u> 20	5.15 at 2	2:45 PI	<u>M</u>	(AM) (PM)	Taken		20	at	-	(AM) (PM)	
Well on Li	ine:		Started	11	/25 20	, 15 _{at} 2	2:45 PI	VI	(AM) (PM)	Taken		20	at		t	AM) (PM)	
11011 011 2								_	(/ 1101/) (1 101/)							, (, 10.)	
							OBSEI	₹VE	D SURFACI	DATA			Duration	of Shut-ia	2	4Hours	
Static / Orifi		Circle one Meter				Flowing .	Well Head		Casing		Tubing		Duro	ion	Liquid Produced		
Dynamic Property		Size Prover Pre		Differential sure in		Temperature Tempera		ture	wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhead Pressure (P _w) or (P _t) or (P _c)			Duration Liq (Hours)		(Barrels)	
- горену	(mon	60)	psig (Pm)		Inches H ₂ 0		`		psig	psia	psig	psia		, ,			
Shut-In									140				<u> </u>	•			
Flow			-														
	-						FLOW	STR	EAM ATTR	BUTES							
Plate	Ì		Circle one:		Press	0			Flowing					225	•	Flowing	
Coeffiecient (F _b) (F _p) Mofd		Meter or Prover Pressure psia		Extension P _m x h		Gravity Factor		Temperature		1	riation ictor	Metered Flow R		GOR (Cubic Fee		Fluid	
						\ -F	ı , .	,	Factor F _{it}	j ,	PA DA	(Mcfd)		Barrel)		Gravity G _m	
														•			
	1			<u> </u>		<u> </u>	· ·	-				l					
									ERABILITY						= 0.20	07	
(P _c) ² =		_:_	(P _w)² =		ose formula 1 of 2:	$P_d =$		<u>=</u> ?	T	- 14.4) +		 :		(P _d) ²			
(P _c) ² - (F	a)2	(P	c)2-(Pw)2		1. P _c ² -P _s ²	LOG of formula				ssure Curve se = "n"		LOG				en Flow verability	
or (P _c) ² - (F	2.)2			2	2. P _c ² -P _d ²	1. or 2. and divide	D 2 D	,	I	or signed	- " ^		Antil	og	Equals	R x Antilog	
	٥,			divid	led by: $P_c^2 - P_w^2$	by:	P _c ² -P _w	<u> </u>		ard Slope		L J			(Mcfd)	
	1		Ì														
													•	_			
															_		
Open Flor	<i>N</i>				Mcfd @ 14.6	55 psia			Deliverab	ility			Mcfd @ 1	4.65 psia	1		
The u	ınders	igned	authority, o	on b	ehalf of the	Company, s	states th	at h	e is duly au	_	o make t	he above repo					
the facts s	tated t	herei	n, and that s	aid	report is true	and correc	t. Exect	ıted	this the	3	day of _	DEC	EMBE	K	, 2	20	
									Receiv	od							
			Witness	(if any	v)		KAJ	ISAS	CORPORATIO	COMMISS	SION	For C	ompany				
					··					2015							
			For Com	missic	חמ				SEDIATION	ZU10 =		Chec	ked by				

CONSERVATION DIVISION WICHITA, KS

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
•	pregoing pressure information and statements contained on this application form are true and
	best of my knowledge and belief based upon available production summaries and lease records
	nstallation and/or upon type of completion or upon use being made of the gas well herein named.
	equest a one-year exemption from open flow testing for the
	e grounds that said well:
gao non on ar	· · · · · · · · · · · · · · · · · · ·
(Cl	neck 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
	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 12/7	12015
	Signature: Lawt O'h- Title: HSE/ pagulatzay Tech

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.