KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instru	ctic	ons on Revo	erse Side))					
Open Flow					Test Date:						023.	-20752-00-0	n			
De	liverat	oilty				Test Date	e:				API	No. 15 020	-20132-00-0	•		
Company Found:		Fne	eray Mana	ade	ment I10			RI	Lease JEB FAR	M				Well N		
Foundation Energy Management, LLC County Location CHEYENNE N2-NW-SE-SW				Section 15			TWP .3;S		RNG (E/W) 42 .W			Acres Attributed				
Field				•••	0_ 0	Reservoir	,		-,0			nering Conn	ection			
CHERR	RY CI	REE	K			NIOBR	ARA				KINDE	R MORGA	AN			
Completio		le				_	k Total De _l	pth	1		Packer S	et at				
1/22/20 Casing Si			Weig	h.		1588'	N		0-4 -4		Dodo					
7", 4½"	126		_		10.5#	Internal Diameter 6.538, 4.052			Set at 332',1631'		Perior	rations 1456'	То 149:	1492'		
Tubing Size Weight			101011	Internal Diameter			Set at		Perforations		То					
2-3/8"				4.	7#	1.995			1513.7'							
Type Completion (Describe) SINGLE (GAS)					Type Fluid Production SALTWATER				Pum		ump Unit or Traveling Plunge		er? Yes / No yes-rod pump			
		(Ani	nulus / Tubin	g)		% C	arbon Dio	xid	е		% Nitroge	en	Gas (Gravity -	G _q	
ANNUL							. .									
Vertical D	epth(F	d)					Pre	SSI	ure Taps				(Mete	r Run) (f	Prover) Size	
Pressure	Buildu	ıp:	Shut in		2/32	0 15 at 1	2:30 PM	 - ((AM) (PM) 1	aken		20	at		(AM) (PM)	
Well on Li	ine:		Started	12	2/42	15 at 1	2:30 PM	_ ((AM) (PM) T	aken		20	at		(AM) (PM)	
							OBSERV	ED	SURFACE	DATA			Duration of Shu	ıt-in2	4 hr_Hours	
I		rifice Circle one		Pressure Differential		Flowing	Well Head		Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liau	Liquid Produced	
Dynamic Property		Size (inches)			in	Temperature t	Temperatur t	(P _w) or (P		I .		(P ₁) or (P _c)	(Hours)		(Barrels)	
Shut-In			psig (Pm)		Inches H ₂ 0				psig 29	psia	psig	psia				
Flow	<u> </u>							1					<u>-</u>		-	
l					!		FLOW ST	RE	AM ATTRIE	UTES	<u>!</u>					
Plate			Circle one:		Press	Grav	ity		Flowing	Davi	iation	Metered Flov	v GOF		Flowing	
Coeffiecient (F _b) (F _n)		Meter or Prover Pressure		Extension		Fact	or	Te	mperature Factor	Fac	ctor	R	(Cubic I	Feet/	Fluid Gravity	
Mofd		psia		√ P _m xh		F	-	Fn		F _{pv}		(Mcfd)	Barre	:l)	G _m	
						(OPEN FLO	OW) (DELI	VE	RABILITY)	CALCUL	ATIONS			12 0	J	
(P _c) ² =		_:	(P _w)² =		:	P _d =		_%	(P _c	- 14.4) +	14.4 =	:		$(a)^2 = 0.3$ $(a)^2 =$	207	
(0.12.45					ose formula 1 or 2:	LOG of	Г		Backpress	ure Curve		ГЛ			pen Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _c ²		formula			Slope = "n"		. nxL	og	Antilog	De	Deliverability	
						1. or 2. and divide by:	P _c ² -P _w ²	11					· ·	Equal	Equals R x Antilog (Mcfd)	
				arvio	eo by. r _c - r _w		<u> </u>		Startour	0.000		-		+		
	_												-	-		
Open Flow	 N				Mcfd @ 14.	 65 psia			 Deliverabili	ty		<u>, </u>	Mcfd @ 14.65 p	_l sia		
The L	ınders	igned	authority, c	n b	ehalf of the	Company, s	tates that	he	is duly auth	norized to	o make th	e above repo	rt and that he l	nas knov	vledge of	
the facts st	ated t	herei	n, and that s	aid	report is true	and correc			his the	16	day of	DEC	CEMBER	,	20	
						KANS	Rec AS CORPOR	eiv ATI	ved ON COMMISSII	OM.						
			Witness	(if any	<i>r</i>)					Z1 1		For C	Company			
			For Com	nicei	nn		DEC 2	! 1	l 2015 _—			Char	cked by			
			, di Conn	oait		C	ONSERVAT	101	N DIVISION			Onec	and by			

WICHITA, KS

exempt sta and that th correct to the of equipme I hereb	tre under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC ne foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the RUEB FARM 24-15 in the grounds that said well:
l furthe	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date:	12/16/2015
	Signature:HSE/Regulatory 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.