Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	i:					(See Instruct	ions on Reve	erse Side)				
	en Flo liverab				Test Date	e:			API	_{No. 15} -023	-20979-00-00		
Company	,						Lease					Vell Number	
Founda	ation	Ene	rgy Mana	gement, LL	С	R	UEB FAR	М				13-16	
County CHEYENNE				Location SW-SW-SW		Section 16		TWP 3S		RNG (E/W) 42W		Acres Attributed	
Field CHERRY CREEK			K		NIOBR	Reservoir NIOBRARA				Gas Gathering Connection Kinder Morgan			
4/7/200	8	e			' Plug Bad 1724'	k Total Dept	h		Packer S	et at			
Casing Size 7", 4½"			Weigh 17		Internal Diameter 6.538, 4.052		Set at 320', 1766'		Perforations 1540'		то 1580'		
Tubing Size			Weigh		Internal Diameter		Set at		Perforations		То		
2-3/8				4.7#	1.995		1609'						
Type Completion (I SINGLE (GAS			•	_		id Production WATER	-		Pump Unit or Traveling Plur			unger? Yes / No Yes-Rod Pump	
	<u> </u>		nulus / Tubing	<u> </u>		Carbon Dioxid	de		% Nitrog	en		ivity - G	
ANNUL	.US											- 9	
Vertical D	epth(F	1)			· · · · · · · · · · · · · · · · · · ·	Press	sure Taps				(Meter F	lun) (Prover) Size	
Pressure	Buildu	p:	Shut in	12/22	20 15 at 1	2:00 PM	(AM) (PM)	aken	_	20	at	(AM) (PM)	
Well on L	ine:		Started	12/23	20 15 at 1	2:00 PM	(AM) (PM)	aken		20	at	(AM) (PM)	
					·	OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Hours	
Static / Dynamic	Orifi Siz		Circle one:	r Differential Flowing Well Head Wellhead Pres		ressure	Tubing Wellhead Pressure		Duration	Liquid Produced			
Property	(inch		Prover Pressu psig (Pm)	in Inches H ₂ 0	t	t	(P _w) or (P _t)	or (P _c) psia	(P _w) or psig	(P ₁) or (P _c)	(Hours)	(Barrels)	
Shut-In							100						
Flow											<u> </u>		
					_	FLOW STR	EAM ATTRIE	UTES			<u> </u>		
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gra ' Fac F	tor 7	Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
							ERABILITY)					= 0.207	
(P _c) ² =		_:_	(P _w) ² =		P _a =	<u>°</u>	<u>%</u> (Р _с	- 14,4) +	14.4 =	:	(P _d) ²	=	
(P _c) ² - (F or (P _c) ² - (F	_	(F	(P _w) ² - (P _w) ²	1. P _a ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide	P _o ² - P _w ²	Slope Assi	sure Curve = "n" sr gned of Slope	l n x i	oe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divided by: $P_c^2 - P_v$	y I by:	<u> </u>	Standar	d Slope	 			(1.1.2.2)	
			_	" <u>-</u> -		_			_				
Open Flo	w		· -	Mcfd @ 14	.65 psia		Deliverabil	ity			Mcfd @ 14.65 psi	a	
								horized to 28	o make th		rt and that he ha		
the facts s	tated t	herei	n, and that sa	aid report is tru	te and correc	t. Executed	this the		day of			, ₂₀ <u>15</u>	
_			Witness (i	f any)	KAN	Rece	eived — TION COMMISSI	ON		ForC	Company		
<u> </u>			For Comm	ission		JAN 0		=		Che	cked by		

CONSERVATION DIVISION WICHITA, KS

exempt : and that correct t of equip	status under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the RUEB FARM 13-16
gas well	on the grounds that said well:
	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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date:	12/28/2015
	Signature: <u>(aut) O'//</u> 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.