Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:					(See Inst	ructi	ions on Rev	rerse Side	!)					
□ Ор	en Flo	w				T 5-1-					4.51	v- 4 - -023	-20855-00-00	า		
De	liverab	oilty				Test Date):				API	No. 15 -025	-20033-00-00	,		
Company	, ——		_						Lease				 _	Well No		
Founda	ation	Ene	ergy Mana	agement, L	LC.			ZV	<u>VEYGAR</u>	DT				42-	33	
County CHEYENNE			Location SENE			Section 33			TWP 3S		RNG (E/W) 41W			Acres Attributed		
Field CHERRY CREEK				Reservoir								ering Conne				
Completio			:K			NIOBRA		N41					nder Morgan			
1/25/20		le				Plug Back 1564'	K lotal L	zepti	п		Packer S	etat				
Casing Size 7", 4½"			Weig			Internal Diameter			Set at 240' 1607'		Perforations 1376'		To 1416	то 1416'		
Tubing Size			17#, 10.5# Weight			6.538, 4.052 Internal Diameter			240', 1607' Set at		Perforations		T410			
2-3/8			4.7#			1.995			301 at 1447'		renorations		10			
Type Con		-	-			Type Fluid			ı		Pump Uni	it or Traveling	-	/ No	l ma m	
SINGL	<u> </u>		nulus / Tubir	SALTWATER Yes-Rod Pt us / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - 0												
ANNUL	-	(/////	iulus / Iubii	19)		<i>7</i> 0 C	albuil b	IOAIC	46		76 INITIOGE	711	Gas Gi	avily -		
Vertical D		H)					P	ress	ure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	•	Shut in	11/3	_ 20.	14 at 3	3:00 PN	<u>M</u> _	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Li	ine:		Started	11/4	_ 20 .	14 at 3	3:00 PN	И	(AM) (PM)	Taken		20	. 20 at (AM) (PM)			
,							OBSEF	RVE	D SURFACE	DATA			Duration of Shut-		24 Hours	
Static /	Orifi	ice	Circle one:	1		Flowing	Well He		Casi	ng		ibing		1		
Dynamic	Şiz	e	Meter Prover Press	Different ure in	ial Te	emperature	re Temperature Well?		Wellhead F (P,) or (P,		Wellhead Pressure (P _w) or (P _s) or (P _s)		Duration (Hours)	(Hours) (
Property	(inches)		psig (Pm)		20	t	t		psig psia		psig psla		KCC WICH		Barrels)	
Shut-In									72				DEC	1 1	201/.	
Flow														,	2017	
						•	FLOW 8	STR	EAM ATTRI	BUTES			RE	CEI	VED	
Plate			Circle one:	Press		Gravity			Flowing D		lation	Metered Flow	GOR		Flowing	
Coeffieci		Pro	Meter or ver Pressure	Extension		Fact	or	. To	emperature Factor	Fa	tor R		(Cubic Fe	eet/	Fluid Gravity	
Mefd			psia	✓ P _m x	h 	F,			Fit	F	pv	(Mcfd)	Barrel)	1	G _m	
					(OPEN FLO	OW) (DE	LIVE	ERABILITY)	CALCUL	ATIONS		(P.)) ² = 0.2	207	
(P _c) ² =		_:	(P _w) ²	Choose formula 1	:	P _d =		%	6 (P	- 14.4) +	14.4 =	:)2 =		
/P \3_ /F	D 12	/5) \2 _ /D \2	Choose formula 1	or 2: 2	LOG of	Γ -			sure Curve		r 7		O	pen Flow	
or (P _c) ² - (P _d) ²		(P _c) ² ~ (P _w) ²		2. P ₂ -P ₃		formula 1. or 2.			Slope = "n"		n x L	og	Antilog		iverability R x Antilog	
(P _c) ² - (F	² ₀) ²			divided by: P2-		and divide by:	P.2 - P.	2		ligned ard Slope		_			(Mcfd)	
				<u>`</u>									-	1		
														†		
Open Flo	 w			Mcfd @	14.65	psia			Deliverabi	lity			Mcfd @ 14.65 ps	ia.]	
The 1	ınders	igner	i authority.			•	tates the	at he		-	o make the		rt and that he ha		rledge of	
													EMBER			
											•					
· · · ·			Witness	(if any)			<u>-</u>	-	_			For C	отрапу			
			For Com	mission				_				Chec	kedby			
			, 0, 0011									3,160	,			

l decl	are 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
	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
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
1 here	by request a one-year exemption from open flow testing for theZWEYGARDT 42-33
gas well o	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
l furth	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as ne	ecessary to corroborate this claim for exemption from testing.
	12/5/2014
Date:	12/5/2014 KCC WICLUIT: DEC 1 1 2014
	255 11 2014
	RECEIVED
	REOL (1)
	Signature: Aukul Mall
	OPERATIONS ASSISTANT
	Title:

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.