KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			ı	(See Instruc	tions on Reve	erse Side	·)					
Open Flow					T1 D-1	-20946-00-00								
Del	liverabi	lty		,	Test Date	3:			API	No. 15 -025	-20340-00-00			
Company	,						Lease					Vell Nu	ımber	
Founda	ation I	Ene	rgy Mana	gement, LLO	C	Z	WEYGA <u>R</u> I	.TC				31-3	32B	
County Location CHEYENNE NWNE				Section	32	TWP 3S			RNG (E/W) 41W		Acres Attributed			
Field	N/ 05				Reservoi					nering Conne			•	
CHERR			<u> </u>		NIOBR	ARA k Total Dep	th		Souther S		nder Morgan	_		
3/27/20		5			1711'	k total Dep	ıuı		rauxei 3	er ar				
Casing Size Weight				Internal I			Set at		Perforations		To 45401			
7", 41/2"			17 Weigh	<u>'#, 10.5#</u> •	6.538, 4.052 Internal Diameter			298', 1753' Set at				1518' To		
Tubing Size 2-3/8			weign	4.7#	1.995		Set at 1535'		Perforations		10			
Type Com	pletion	(De	scribe)			d Productio			Pump Un	it or Traveling	Plunger? Yes	/ No		
SINGLE (GAS)				SALTWATER						Yes-Rod Pump				
•	-	(Anr	nulus / Tubing	3)	ı % C	arbon Diox	ide		% Nitrog	en	Gas Gra	vity - (Э _g	
ANNUL						Dur	ALIMA TOTA				/8.1.a. P)\ /!?		
Vertical D	epinin)			•	Pres	ssure Taps				(Meter F	iun) (P	rover) Size	
Pressure	Duildus		Shut in	12/21	15 , 1	0:30 AM	/AM/ /DM/ =	Tokon		20	at		/AAA\ /EDAA\	
	•		3110t III		a 15 1	∩:3∩ AM	. (Alvi) (Fivi)	iakeii		20	al		(AIVI) (FIVI)	
Well on Li	ine:	;	Started	12122 2	10 10 at 1		. (AM) (PM) [*]	Taken		20	at		(AM) (PM)	
						OBSERVE	ED SURFACE	DATA			Duration of Shut-i	n	24 Hours	
Static / Ori		lice Circle one		Pressure	Flowing	Well Head	Casing		Tubing		D	Ĺ.,		
Dynamic	Size	Size Prover F		Differential in	Temperature	Temperature	1	ellhead Pressure ,,) or (P,) or (P,)		ad Pressure (P _t) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)	
Property	(inche	18)	psig (Pm)	Inches H ₂ 0	i t	t .	psig	psia	psig	psia			·	
Shut-In							31							
Flow								<u>-</u>			<u> </u>		_	
<u> </u>					l'	FLOW ST	REAM ATTRI	BUTES	-	l l	-	'_		
Plate			Circle ona:	Press	Gra	vitv	Flowing	Dev	riation	Metered Flow	GOR		Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psla		Extension	Fac	tor	Temperature Factor	Fa	ctor	R	(Cubic Fed	±17 i	Fluid Gravity	
				√ P _m xh	·	· ,	F _R	1	F _{pv} (Mcfd)		Barrel)	G _m		
	·			*	1									
1	I			l	T	OWY (DELIX	/ERABILITY)	CALCIII	ATIONS					
(P _c) ² =		:	(P _w) ² =	:	P _d =		•	- 14.4) +		:	(P _a);	!= 0.2 !=	207	
		_		Choose formula 1 of 2	2:			sure Curve					Flow	
(P _c) ² - (P _a) ²		(P _c) ² - (P _w) ²		1; P _c ² -P _e ²	LOG of formula		Slope = "n"		n x LOG		Antilog	Open Flow Deliverability		
or (P _a) ² - (P _d) ²				2. P _c ² -P _d ²	1. or.2. and divide	P _c ² -P _w ²		Assigned Standard Slope		-			s R x Antilog (Mcfd)	
				divided by: Pc - Pw	, by:	ר, ה	Sianda	ra Siope					(mora)	
<u> </u>	\dashv		+		1	_	 		-					
					<u> </u>		<u> </u>				_			
Open Flow Mcfd @ 14.6				.65 psla	55 psia Delive			erability			Mcfd @ 14.65 psia			
The u	ındersi	gned	l authority, o	n behalf of the	Company,	states that i	_				rt and that he ha			
the facts s	tated th	nerei	n, and that s	aid report is tru	e and correc	t. Executed	d this the	28 .	day of	DEC	EMBER	,	₂₀ <u>15</u> .	
						_								
			Witness (f any)	1	F Kansas cori	Received PORATION COMM	MISSION		ForC	ompany			
			F	nia of a m						Ob	tend has			
			For Comm	nssion		JAN	8 0 4 2018)		Chec	ked by			

exempt state and that the correct to th	te under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC 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 at installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby	request a one-year exemption from open flow testing for theZWEYGARDT 31-32B
gas well on	the grounds that said well:
l further	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 ragree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
	12/28/2015
Date:	
	Signature:
	Title: HSE/Regulatory Tech
	1100.

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.