KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow				(-	See Instruct	ions on Rev	erse Side	·· ;)				
`	liverabil				Test Date	: :				No. 15 023-20781-0	00-00		
Company		ENERGY M	ANAGEME	NT, L	.LC		Lease ZWEYG	ARDT			23-32	Vell Nu	mber
County Location CHEYENNE SW-SE			1	Section 32		TWP 3S		RNG (E/W) 41W		Acres Attributed			
Field CHERR	Y CRE	EK		í	Reservoir NIOBRA					hering Conne HERN STAR	ection KINDER MORG	GAN	
Completion 9/21/200				_	Plug Back 1508'	k Total Dept	h		Packer S	Set at	-		
Casing Size 7", 41/2"			Weight 17#, 9.5#			Diameter 4.090"	Set at 295', 1552'		Perforations 1392'		To 1462'		
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1356'		Perforations		То		
Type Con SINGLE		(Describe)		i !	Type Fluid SALTV	d Production VATER	1			nit or Traveling		/ No	
Producing ANNUL		Annulus / Tubi	ng)		% C	arbon Dioxid	de		% Nitrog	en	Gas Gra	vity - G	i _g
Vertical D	epth(H)					Press	sure Taps				(Meter F	lun) (Pr	rover) Size
Pressure	Buildup				15 _{at} 2:		(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:	Started 3/	4	20 .	15 _{at 2:}	:00 PM_	(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE				Duration of Shut-i	<u>24</u>	Hours
Static / Dynamic Property	Orifice Size (inches	Prover Pres	Differen	ntial T	Flowing emperature t	Well Head Temperature t	Casir Wallhead P (P _w) or (P ₁)	ressure	Wellhe	Tubing ad Pressure r (P _t) or (P _c) psia	Duration (Hours)		i Produced Barreis)
Shut-In				,				60	paig	paid			,
Flow				_							<u> </u>		
Plate		Circle one:	Pres		Grav		Flowing						Flowing
Coeffied (F _b) (F Mofd	ient	Meter or Prover Pressure psia	Extens	Extension ✓ P _m x ħ		tor T	Comporabile		viation actor F	Metered Flov R (Mcfd)	(Cubic Fee Barrel)	ot/	Fluid Gravity G _m
									_				
(P _c) ² =		(P _w) ²	=	: (OPEN FLO		ERABILITY) % (P,	CALCUL - 14.4) +			(P _a) ² (P _d) ²	= 0.20	07
(P _c) ² - (F or (P _c) ² - (F		(P _a) ² - (P _w) ²	2. P _c ² -	P _a ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpress Slope	sure Curve = "n" or gned	3 n x	LOG	Antilog	Op Deli Equals	en Flow verability R x Antilog
	-		divided by: P	2 - P _w 2	by:		Standa	rd Slope	_				Mcfd)
Open Flo	w		Mcfd @	2 14.6	5 psia		Deliverabil	ity			Mcfd @ 14.65 psia	a	
		=			-		=			-	rt and that he has		-
ine facts s	tated the	erein, and that	said report i	s true (Rec	oived.		day of			, 2	<u>15</u> .
		Witnes	(if any)		KAI	NSAS CORPOR	PATION COMMIS	SION		For	Company		
		For Cor	nmission	-		CONSERVATION	? 1 2015 <u>–</u>			Che	cked 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
and that the fo	pregoing pressure information and statements contained on this application form are true and present of my knowledge and belief based upon available production summaries and lease records
of equipment i	nstallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the ZWEYGARDT 23-32
	grounds that said well:
(Ch	eck one)
Į	is a coalbed methane producer
[is cycled on plunger lift due to water
Ĺ	is a source of natural gas for injection into an oil reservoir undergoing ER
Ĺ	is on vacuum at the present time; KCC approval Docket No
L	is not capable of producing at a daily rate in excess of 250 mcf/D
I further a	gree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as neces	sary to corroborate this claim for exemption from testing.
Date: <u>12/17/2</u> 0	015
	Signature: Carlos C'(h-
	Title: 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.