KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it.				(See instruc	tions on Rev	erse Side	9)				
	pen Fl elivera				Test Date	э :				1 No. 15 -023-20843-1	00-00		
Compan		N EI	NERGY MA	NAGEMENT,	LLC		Lease ZWEYG	ARDT			23-31	Well Number	
County CHEYENNE			Location NE-SW		Section 31		TWP 3S		RNG (E/W) 41W		Acres Attributed		
Field CHERR	Y CR	REEK			Reservoir NIOBRA					thering Conn HERN STAR	ection /KINDER MOR	GAN	
Complete 7/10/20		ate			Plug Bac 1634'	k Total Dep	th		Packer	Set at	-		
Casing Size 7", 4½"			Weig 17#,	ht 11.6#	Internal Diameter 9-7/8",61/4"		Set at 317', 1678'		Perforations 1472'		то 1510'		
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1413'		Perforations		То	То	
Type Co.			escribe)			d Production	n		Pump U	nit or Traveling	Plunger? Yes	/ No	
	g Thri		nulus / Tubir	g)	% C	arbon Dioxi	de		% Nitro	gen	Gas G	avity - G _g	
Vertical I		H)	· -			Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure	Build	up:	Shut in 3/2	26 2	14 at 9	:30 AM	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line:			Started 3/27 20		0 <u>14</u> at <u>9</u>	14 at 9:30 AM (/		AM) (PM) Taken		20		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	in 24 Hour	
Static / Orifice Dynamic Size Property (inches		z e	Circle one: Meter Prover Press psig (Pm)	Pressure Differential ure in Inches H ₂ 0	Temperature Temperat		Wollhood Processo		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_0)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In								90					
Flow			_			_						<u> </u>	
		_	Circle one:			FLOW STR	EAM ATTRII	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact F _g	tor	Flowing Temperature Factor	riperature Factor F		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	- Crositu	
				<u> </u>						<u> </u>			
(P _c) ² =		_:	(P _w) ² =	·:	(OPEN FLO		ERABILITY) % (P_	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. P _e ² - P _s ² 2. P _d ² - P _d ² divided by: P _e ² - P _s ²	LOG of formula 1, or 2, and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n"		n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
											_		
Open Flo				Mcfd @ 14.	65 psia		Deliverabil	itv			Mcfd @ 14.65 ps	a	
i		signed	d authority, o		_	tates that h		-	o make ti		rt and that he ha		
the facts s	tated (therei	n, and that s	aid report is true	and correct	t. Executed Receiv S CORPORATIO	this the 29 /ed		day of A	UGUST		, 20 <u>14</u> .	
			Witness (if any)		SEP 03		-		For C	отралу		
<u> </u>		-	For Comm	nission		NSERVATION WICHITA	DIVISION			Chec	ked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
and that 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for theZWEYGARDT 23-31
gas well 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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 8/29/2014
Signature: Mather
Title: OPERATIONS ASSISTANT

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 Rectional it was a verified report of annual test results.

KANSAS CORPORATION COMMISSION