KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	141	ONE	1 OINT S			tions on Rev			ENABILIT	1 1231		
·	liverab				Test Date	: :				No. 15 023-20547- 0	00-00		
Company FOUND		N EN	NERGY MA	NAGEMENT,	LLC		Lease ZWEYG	ARDT				Well Nu	mber
County	NNE		Locat NWNE		Section 5		TWP 4S		RNG (E.	W)		Acres A	ttributed
Field CHERR	Y CRI	EEK			Reservois NIOBRA					thering Conne	ection /KINDER MOR	GAN	
Completic 5/22/200		e			Plug Bac 1556'	k Total Dep	th		Packer 5	Set at			
Casing S 7", 41/2"	ize		Weigh	nt 10.5#	Internal [9-7/8",0		Set a 270'	t , 1598'	Perfo	rations O'	то 1446'		
Tubing Si 2-3/8""	ize		Weigh 4.7#		Internal (1,995"	·	Set a	t		rations	То		
Type Con			escribe)		Type Flui	d Productio			Pump Ui	nit or Traveling	Plunger? Yes	/ No	
	Thru		nulus / Tubin	g)	% C	arbon Diox	ide		% Nitrog	jen	Gas Gra	avity - C	ì _g
Vertical D		1)				Pres	sure Taps				(Meter F	Run) (Pi	over) Size
Pressure	Buildu	p:	Shut in 2/2	5 2	0 14 at 8	:00 AM	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:		Started 2/2	62	0 14 at 8	:30 AM	(AM) (PM)	Taken		20	at	(AM) (PM)
							D SURFACE				Duration of Shut-	24	
Static / Dynamic Property	Orifi Sizi (inchi	е	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H,0	Flowing Well He Temperature Tempera t t		Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	'	
Shut-In			, p=-g (y			 	psig	psia 64	psig	psia			
Flow													
	1			1		FLOW STE	REAM ATTRI	BUTES	-	l .			
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Grav Fac F _e	tor	Flowing Temperature Factor F _{tt}		iation ctor pv	Metered Flow R (Mcfd)	(Cubic Fer	et/	Flowing Fluid Gravity G _m
					(OPEN EL	OW) (DELIN	ERABILITY)	CALCUI	ATIONS				
(P _c) ² =		_:	(P _w) ² =		P _d =		•	- 14.4) +		<u>:</u>	(P _a) ² 	= 0.20	07
$(P_{o})^{2} - (P_{a})^{2}$ or $(P_{o})^{2} - (P_{d})^{2}$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1: or 2. and divide	P.2 - P.2	Backpressure Cur Slope = "n"or Assigned Standard Stope		n x 106		Antilog	Antilog Open Flow Deliverabili Equals R x Ar (Mcfd)	
								•		-			
Open Flor				Mcfd @ 14.	SE pois		Deliverabi	lies r					
		ianec	authority, o			tates that h	-		o make th		rt and that he ha		edge of
		-	•	aid report is true	and correc	t. Executed	this the 11						20 14 .
·			Witness (if any)		KANSAS COR	Received PORATION COM	MISSION		For C	ompany		
			ForComn			SEP	. 0 201				ked by		
			i bi Qqifiii			CONSER! Wit	/ATION DIVISI CHITA, KS	ON		CHEC			

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 the ZWEYGARDT 31-05 gas well on the grounds that said well: (Check one) is a coalbed methane producer is cycled on plunger lift due to water
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 the ZWEYGARDT 31-05 gas well on the grounds that said well: (Check one) is a coalbed methane producer
is a coalbed methane producer
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: 9/11/2014
Received KANSAS CORPORATION COMMISSION SEP 15 2014 CONSERVATION DIVISION WICHITA, KS Signature: 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 as though it was a verified report of annual test results.