Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					(See Instruc	ctions on Re	everse Side))				
= :	en Flo liverab					Test Date) :			API	No. 15 023	-20816-00-00		
Company		Ene	ergy Mana	agei	ment, LLC	;	z	Lease ZWEYGAF	RDT			· · · · · · · · · · · · · · · · · · ·	Well Num 41-1	
County Location CHEYENNE NENE			•	Section	1	TWP	TWP 4S		w) 2W	Acres Attributed				
Field CHERF	RY CF	REE	K			Reservoir NIOBR		-			hering Conn	ection Southern Star		
Completic 3/14/20	on Dat		<u>: -</u>				k Total Dep	oth		Packer S				
Casing Size 7", 4 1/2"			Weig		44.04	Internal [Set at 251, 1629,		Perforations 1442'		то 1477'		
Tubing Size Weig				11.6#	6.538, 4.000 Internal Diameter		251', 1638' Set at		Perforations		To			
2 3/8"			vveig		7#		.995		1508'		rations	10		
Type Con	-	n (De	escribe)			• •	d Production	on		Pump Ui	nit or Traveling		/ No PUMI	-
Producing	_	(Ann	nulus / Tubir	ıg)		% C	arbon Diox	kide		% Nitrog	ien	Gas Gra	avity - G	,
Vertical D		l)					Pres	ssure Taps				(Meter F	lun) (Pro	ver) Size
Pressure	Buildu	p;	Shut in	10	/14 20	14 at 8	8:30 AM	_ (AM) (PM)	Taken	·	20	at	(<i>p</i>	.M) (PM)
Well on L	ine:		Started	10	/15 20	14 at _8	3:30 AM	_ (AM) (PM)	Taken	<u>.</u>	20	at	(A	M) (PM)
								ED SURFAC				Duration of Shut-	2/	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature	Wellhead	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing ad Pressure r (P _t) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	, , , , , ,		psig (Pm)	<u>'</u>	Inches H ₂ 0	•	,	psig 190	psia	psig psia				
Flow	-			-		<u></u>		190						
•				1			FLOW ST	LEAM ATTR	RIBUTES				<u>. </u>	
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Gra Extension Fac √ P _m xh F		tar	Flowing Temperature Factor F _{IL}	nperature Fa		Metered Flor R (Mcfd)	w GOR (Cubic Fee Barrel)	∍ V	Flowing Fluid Gravity G _m
										1				
(P _c) ² =		_:	(P _w)²:	=	:	(OPEN FLO	• •	VERABILITY _% (!	/) CALCUL P _e - 14.4) +		:	(P _a) ² (P _d) ²	= 0.20	7
or	$(P_a)^2 \cdot (P_a)^2$ or $(P_a)^2 \cdot (P_a)^2$		(P _c) ² - (P _w) ²		oso formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$	LOG of formula		Backpressure Curve Slope = "n" or Assigned		лх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog	
(₆) - (ه' 			divid	ed by: Pc2 - Pw2	and divide by:	P _c ² -P _y ²		dard Slope				(N	Acfd)
							_							
Open Flo	w				Mcfd @ 14.6	J. 5 psia	<u>-</u>	Deliverat	bility	<u> </u>		Mcfd @ 14.65 psi	a	
		_	-						12			ort and that he ha	s knowle	dge of
the facts s	tated th	nereir	n, and that s	aid ı	report is true	and correc	t. Executed	d this the		day of			Receiv	/ed
			Wilness	(if any)			-			For	KANSAS CO Company		ON COMMISSIO
			For Cem	missio	n			•			Che	cked by CONSE	RVATION	DIVISION
											•	1	NICHITA,	KS

exempt status un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operatorFoundation Energy Management, LLC going pressure information and statements contained on this application form are true and
correct to the bes of equipment inst	t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for theZWEYGARDT 41-1
	rounds that said well:
•	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date:11/1	2/2014

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 formacingscope Kansas corporation commission signed and dated on the front side as though it was a verified report of annual test results.

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