KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side)				
Open Flow			T . D .	Toot Date:				1D(1)					
✓ Deliverability			Test Date 01/16/20			API No. 15 023-20699							
Company		eve	lopment C	orp			Lease Bamme	s				Well Nu	mber
County Cheyenne			Location NESWSE		Section 5		TWP		RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek					Reservoir Niobrara				thering Conn Eureka Gat				
Completic 03/26/2		θ			Plug Bac 1550'	k Total Dep	th		Packer s	Set at			
Casing Size 4.5"			Weight 10.5#	Internal Diameter 4"		Set at 1569'		Perforations 1416'		то 1430'			
Tubing Size 2.375"			Weight 4.75#		Internal Diameter 2"		Set at 1455'		Perforations		То		
Type Con N2 Frac		n (Di	escribe)		Type Flui Brine V	d Production Vater	n		Pump U Yes, F	nit or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) % Carbon [arbon Dioxi	de	<u>-</u> :	% Nitrog	jen	Gas Gravity - G _g				
Annulus Vertical D		Λ.			<1%	Orna	sure Taps		<1%		/Mater F) (De	Cine
1590'	epin(F	·) 				Pres	sure laps				(Meter F	(Pr	over) Size
Pressure	Buildu	p:	Shut in01/0)6 2	0_12_at_1	2:20pm	(AM) (PM)	Taken_01	/17	20	12 _{at} 12:25p	<u>m</u> (AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(،	AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	in <u>24</u>	Hours
Static / Dynamic Property	Orifi Siz (inch	8	Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead F (P _w) or (P ₁	ressure) or (P _e)	Wellhe (P _w) o	Tubing ead Pressure r (P,) or (P _e)	Duration (Hours)		i Produced Barrels)
Shut-In			Pulg (m)		•		psig 60	psia	psig	psia			
Flow													
						FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient ₀)	Prover Presente		Press Extension ✓ P _m xh	Gravity Factor F		Flowing Deviation Factor F _{IL}		ctor	Metered Flov R (Mcfd)	II	(Cubic Feet/	
									:				
					•		ERABILITY)					= 0.20	07
(P _c) ² =	T	<u>-:</u>	(P _w) ² =_	hoose formula 1 or 2	P _a = .	 `		- 14.4) +	14.4 =	 :	(P _d) ²	<u> </u>	
(P _e) ² - (I or (P _e) ² - (I	•	(F	P _e) ² - (P _w) ²	1. P ₀ ² - P ₂ ² 2. P ₂ ² - P _d ² Wided by: P ₂ ² - P _d ²	LOG of formula 1 or 2. and divide	bs- bs	Slop	sure Curve e = "n" or igned rd Stope	пх	rog	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
													
							1		1				
Open Flo				Mcfd @ 14.			Deliverabi				Mcfd @ 14.65 psi		
				behalf of the					make the		rt and that he ha		edge of 20 <u>12 .</u>
			li) czentiW	any)				\rightarrow	uai	For C	Company R	EE!	VED—
			For Commi	sion			_	<u> </u>		Chec	ked by AP	R 2 4	-2012

exempt status und and that the foreg correct to the bes	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corppoing pressure information and statements contained on this application form are true and tof 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 the Bammes 34-5
	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
statt as necessar Date: <u>04/17/2012</u>	
	Signature: Judith Pruitt Title: Sr. Bergineering 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.