KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	ions on Rev	erse Side)				
✓ or	en Flo	w			Test Date				4.0	No 45 (1)			
D€	eliverab	ilty			04/27/2				15-	I No. 15 }_ ∙071-2086β-(. 0000		
Company Cimarex Energy Co.						Lease Shelton				······································	No. 4	Well Number	
County Location NE Greeley NW, SW, SE					Section 36				RNG (E 40W	/W)	Acres Attributed		
Field Byerly				: 	Reservoi	r la / Ft. Rile	у			thering Conne lidstream	ection .		
Completi 10/10/20		e		le (le d) :	Plug Bac 3093	k Total Dept	ħ		Packer :	Set at		 ·	
Casing S 4 1/2"	ize		Weigh 10.5	t	Internal I	Diameter	Set 8		Perfo	rations 6	то 2990	 -	
Tubing S 2 3/8"	ize		Weigh	t	Internal [Diameter	Set a			rations	То		
Type Cor Single	npletio	n (De	escribe)		Type Flui Salt W	d Production	1			nit or Traveling	Plunger? Yes	/ No	
Producin	g Thru	(Anı	nulus / Tubin	9)	% C	% Carbon Dioxide			% Nitrog		Gas Gravity - G		
Annulu												<u>.</u>	
Vertical [Depth(H	4)				Press	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in04/	26	20 11 at 1	0:00	(AM) (PM)	Taken 04	/27	20	11 _{at} 10:00	(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
	,		Circle one:		1	OBSERVE	D SURFACE		1		Duration of Shut-	n 24 Hours	
Static / Dynamic Property	Orifi Siz (inch	e	Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P,,) or (P	Pressure	Welihe (P_) o	Tubing ead Pressure $(P_t) \propto (P_a)$	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				2			psig 18	psia	psig	psia			
Flow													
	- 1				- 	FLOW STR	EAM ATTR	BUTES			 -		
Plate Coeffied (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor T	Flowing emperature Factor F _{tt}	Fa	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G	
L		 · · ·			<u> </u>				,				
(P _c) ² =			(P _w) ² =		(OPEN FL	OW) (DELIVI) 9	-	CALCUL - 14.4) +		•	(P _a)² (P _a)²	= 0.207	
	T			Choose formuta 1 or 2	<u> </u>		1				(_b , _b ,		
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² -(P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _d	LOG of formuta 1. or 2. and divide by:	formuta 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		rog	Antilog	Open Flow Delivorability Equals R x Antilog (Mcfd)	
ļ													
Ones 515					<u> </u>								
Open Flow Mcfd @ 14.65 ps				<u> </u>	<u> </u>				Mcfd @ 14.65 psia				
				n behalf of the aid report is true			this the 11			anuary	rt and that he ha	knowledge of	
			Witness (i	any)		IAN 13	2012	, cm	nez	o ne	ergy (<i>9</i>	
	•		For Comm	ssion			のデザル <u>-</u>			Chec	ked by		

KCC WICHITA

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	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 operator_Cimarex Energy Co.
•	going pressure information and statements contained on this application form are true and
	st 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.
	lest a one-year exemption from open flow testing for the Shelton No. 4
	rounds that said well:
gas wen on the g	rounds that said well.
(Check	cone)
	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 agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	ry to corroborate this claim for exemption from testing.
Date: 01/11/2012	2 REON
-	- CEIVE
	JAN 1 3 201
	KCC INIO.
	PECEIVEL JAN 13 201. KCC WICHITA
	Signature: Helisis chile
	Title: Administrative Assistant
	riue.

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.