KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Ins	tructi	ions on Re	verse Side))						
Op	en Flo	w				T1 D-1-					A D1 1	1- 40					
√ De	liveral	oilty				Test Date 2/13/201						No. 15 20291-00-1	00				
Company Caerus V		.Co L	TC						Lease HILT				-	15-6-	Well Nu	ımber	
County			Loca	tion		Section		-	TWP		RNG (E/	V)			Acres	Attributed	
Cheyenne SESENW				15					42W			160					
ield Cherry C	Creek					Reservoir Niobrara			Gas Gathering Connec EUREKA GATHERII								
2/12/19		te				Plug Bac 1715'	k Total	Dept	h		Packer So N/A	et at					
Casing S 1.5"	ize		Weig 10.5			Internal Diameter 4"			Set a 1759		Perforations 1656'			то 1690'			
iubing Si 2.375"	íz e		Weig 4.75			Internal Diameter			Set a 169		Perforations			To			
Type Con						Type Flui- Brine V		uction			Pump Uni Yes, Pl	t or Traveling	Plur	nger? Yes	/ No		
Producing	g Thru		nulus / Tubir	ıg)		% C	arbon l	Dioxid	de		% Nitroge			Gas G	ravity -	G _g	
Annulus Vertical E	-	H)				<1%_		Press	sure Taps		<1%			(Meter	Run) (P	rover) Size	
1760' Pressure Buildup: Shut in 2/13					0 13 at 9	10AN	1	(AM) (PM)		14	4 20 13			M	(AM) (PM)		
								(AM) (PM) Taken									
	-					-	OBSE	RVE	D SURFACI	E DATA	-		Dura	ation of Shut	-in	Hours	
Static / Orifice			- Circle and Meter	Meter Diffe		Flowing Temperature	Well Head Temperature		Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration			Liquid Produced	
Property	(incl	Prover Pressi			in Inches H ₂ 0.	<u>t</u>	t		(P _w) or (P psig	(P _w) or (P _t) or (P _c)		(P _w) or (P _t) or (P _c) psig psia		(Hours)		(Barrels)-	
Shut-in									92			<u> </u>			-		
Flow																	
							FLOW	STR	EAM ATTR	IBUTES							
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		-	Press Extension ✓ P _m xh	Gravity Factor F _g		Flowing Temperature Factor F ₁₁		Fa	iation ctor pv	Matered Flow R (Mcfd)		GOR (Cubic Fo Barrel	eV .	Flowing Fluid Gravily G _m	
			-	-		-								-			
						(OPEN FL	OW) (D	ELIV	ERABILITY	-	_			(P _a) ² = 0.2	207	
² c)² <u></u> =		<u> </u>	(P _w) ²		<u>:</u> _	P _d =		<u> </u> 9	% (F	_c - 14.4) +	14.4 =	<u>:</u>		(P _d)2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		:	ose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² fed by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide	formula 1. or 2. and divide P2. P2		Backpressure Curve Slope = "n"		u x rog			Antilog -		Open Flow Deliverability Equals R x Antilog (Mcfd)	
open Flo	w			_	Mcfd @ 14.6	65 psia			Deliverab	ility			Mcfd	@ 14.65 ps	ia		
		•	•		ehalf of the	• •			•	~		4 A	ort an	nd that he ha		· .	
e facts s	tated i	lherei	in, and that :	said	report is true	and correc	t. Exec	uted	this the	8_	day of	April	7	/		20 <u>14</u> .	
			Witness	(if an	у)			_	-		<u> </u>	m Bor	Compa	ny ny		C WICH	
			For Com	missio	on			_	-			Che	cked b	y	_API	२ ० ९ २० १	
															R	ECEIVE	

l declare un	<u> </u>
	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status u	nder Rule K.A.R. 82-3-304 on behalf of the operator <u>Caerus WashCo LLC</u>
and that the fore	egoing pressure information and statements contained on this application form are true and
correct to the be	st of my knowledge and belief based upon available production summaries and lease records
• •	tallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby req	uest a one-year exemption from open flow testing for the HILT 15-6-1
gas well on the	grounds that said well:
(Ched	ck 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
Γ.	is on vacuum at the present time; KCC approval Docket No
Ī	is not capable of producing at a daily rate in excess of 250 mcf/D
-	*
_ I further agr	ee to supply to the best of my ability any and all supporting documents deemed by Commission
- staff-as-necessa	ary to corroborate this claim for-exemption from testing.
4/8	8/14
Date: 1/6	
	·
-	
_	Cimpoture. And Det
	Signature: Am fast
- 	Signature:
- 	

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.

KCC WICHITA

APR 0 9 2014

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