RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			G	See Instruc	tions on Reve	erse Side)			
Ope	en Flow			Test Date				٨٥١	No. 15		
√ Del	liverabilty	ı		1/23/201					3-20924-00-0	00	
Company Caerus V	/ WashCo	LLC			-	Lease McCALL				13-4	Well Number
County Location Cheyenne SWNWSW			Section 4		TWP 5S			W)		Acres Attributed 160	
· · - · - ·				Reservoir Niobrara			Gas Gathering Connection DRURY GATHERING				
3/12/2008				Plug Back 1595'	Plug Back Total Depth 1595'			Packer Set at N/A			
Casing Si 4.5"				Internal E 4"	iameter	Set at 1617'		Perforations 1430'		To 1442'	
Tubing Si	· · · · · · · · · · · · · · · · · · ·			Internal D	liameter	Set at 1463'		Perforations		То	
Type Com N2 Frac		Describe)	_	Type Fluid Brine V	d Productio Vater	n		Pump Ur Yes, F		Plunger? Yes	/ No
Producing Annulus	•	nnulus / Tubing)	,	% C	arbon Diox	ide		% Nitrogen		Gas Gravity - G	
Vertical D				-170	Pres	sure Taps		-170		(Meter	Run) (Prover) Size
1635'	<u>.</u> .										
Pressure .	Buildup:	Shut in	2	0 13 at 8:	20AM	(AM) (PM)	Taken_1/2	24	20	13 at 12:45	PM (AM) (PM)
Well on Li	ine:	Started	20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			1.		OBSERVE	D SURFACE	DATA		_	Duration of Shut	-inHours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur		Flowing Temperature t	Well Head Temperature t	Casir Wellhead P	ressure Welth		Tubing ead Pressure r (P,) or (P,	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0		<u> </u>	psig 100	psia	psig	psia		
Flow											
•				-	FLOW ST	REAM ATTRU	BUTES				
Plate Coeffiect (F _b) (F Mcfd	ient p) F	Circle one: Meter or rover Pressure psia Press Extension P _m x h		Gravity Factor F _g		Temperature F		viation Metered Flov actor R F _{pv} (Mcfd)		y GOR (Cubic F Barret	eet/ Fluid Gravity
	-						-		-	-	
P _c) ² =	:	(P _w) ² =_	;	(OPEN FL	 DW) (DELIV	rerability)	CALCUL - 14.4) +			(P _a)² = 0.207
(P _e) ² - (F -or (P _c) ² - (F	- -	(P _c) ² - (P _w) ²	incose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_o^2 - P_d^2$ ivided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P ₀ ² -P _w ²	Backpress Slope Assi	sure Curve = "n" or gned rd Slope	n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flov	<u>w</u>		Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	sia
	•	ed authority, on				-	0	o make the	he above repo	ort and that he h	as knowledge of, 20 <u>/4</u>
		Witness (if	any)			_		1	en lo	ompany	KCC WICH
		14						-			

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Caerus WashCo LLC	
and that	the foregoing pressure information and statements contained on this application form are true and	
orrect t	o the best of my knowledge and belief based upon available production summaries and lease records	
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the McCALL 13-4	
	on the grounds that said well:	
	(Check 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	
	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.fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission	<u>-</u> -
staff-as-	necessary to corroborate this claim for exemption from testing.	-
Date:	4/8/14	
-		==
		_
	Simology Broken	-
- -	Title: Operations Engineer	
	Title: Operations Engineer	

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 09 2014