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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(;	See Instruct	tions on Re			ENABILIT				
Open Flow Deliverability	<i>,</i>		Test Date 3/18/201					No. 15 3-20716-00-0	າດ			
Company Caerus WashCo	pany			Lease GEMAEHLICH					Well Number			
County Cheyenne	Location Section NESENE 18		TWP RNG (E/W) 2S 41W			Acres Attributed						
ield herry Creek	ld Reser		Reservoir Niobrara	servoir			Gas Gat	hering Conne	ection			
Completion Date			 	Total Dept	th	Eureka Gathering Packer Set at N/A			- -		-	
/10/2007 asing Size			Internal Diameter		Set at		Perforations		то 1542'			
.5" ubing Size	10.5# Weight		4" - Internal Diameter 2"		1708' Set at		1530' Perforations		To			
ype Completion (Type Fluid	d Production		5'			Plunger? Yes	/ No		
N2 Fracture Producing Thru (Annulus / Tubing)			Brine Water % Carbon Dioxide			Yes, PU % Nitrogen			Gas Gravity - G			
Annulus /ertical Depth(H)			<1% Pressure Taps				<1%			(Meter Run) (Prover) Size		
727'					·			 	- '`		.0001) 0120	
ressure Buildup:	Shut in	20	13 at 7:	44AM	(AM) (PM)	Taken_3/	19	20	13 at 8:05A	M [*]	(AM) (PM)	
/ell-on-Line;	Started	20	at		(AM) (PM)	Taken	-	20	at		(AM) (PM)	
	Circle one:	Pressure	1	OBSERVE	D SURFAC		I		Duration of Shut	-in	Hours	
ynamic Size	c / Orifice Meter		Flowing Temperature t	Well Head Temperature t	emperature Wellhead P) (P _w) or (P ₁) or (P _c)		•		d Produced Barrels)	
Shut-In		Inches H ₂ 0			105	psia	polig	poliz	-			
Flow			_	_								
Diete	Circle one:				Flowing	IBUTES	•		<u>-</u>	-	Flowing	
Plate Coefficcient (F _b) (F _p)	Meter or Prover Pressure psia	Press Extension	_ Grav Fact F _g	or-	Flowing Femperature Factor F _{f1}	Fa	Deviation - Me Factor F pv		v GOR (Cubic Fe Barrel)		Fluid Gravity G _m	
		= . =			: # <i>=</i>	-	- -					
_c) ² =	 ; (P _w)²=	_.	OPEN FLO	OW) (DELIV		') CALCUL P _s - 14.4) +			$ \frac{(P_a)}{(P_d)}$) ² = '0.2	207	
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ² Choose formula 1 o 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - F		LOG of formula 1. or 2 and divide \vec{p} 2 \vec{p} 2		Backpressure Curve Slope = "n"			roe [-]	_ Antilog	O: Dei Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	dv											
laas Fland	N/12			Deliverability			Banda		@ 14.65 psia			
pen Flow The undersign	ned authority, on I	Mcfd @ 14.6 behalf of the (tates that h			o make tl		-		vledge of	
-	rein, and that said				-	-	day of	April			20 <u>/4</u> .	
	Witness (if a	ny)			-		- for	m Bar	Company K	CC	WICH	
	For Commiss	ion			-			Chec	cked by	APR	0 9 201	

and that the for correct to the be of equipment in I hereby red	egoing pressure information and statements contained on this application form are true est of my knowledge and belief based upon available production summaries and lease recestallation and/or upon type of completion or upon use being made of the gas well herein nanuest a one-year exemption from open flow testing for the	ords
I further ag	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 ee to supply to the best of my ability any and all supporting documents deemed by Comm	, , nission
Date:	ary to corroborate this claim for exemption from testing.	-5
 	Signature: Jan Bark Title: Operations Engineer	

-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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