KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow				Test Date		ructions on F	Reverse Sia	,	I No. 15				
Deliverabilty				09/02/1			API No. 15 15-007-23232-00-00							
Company WOOLSEY OPERATING COMPANY, LLC						Lease LOGA	N			6-X	Well Nu	mber		
County Location BARBER E2 SE NE			Section 19		TWP 34S			RNG (E/W) 11W		Acres A	ttributed			
Field STRANATHAN				Reservoi MISSIS		N		Gas Ga APC	thering Conn	ection		<u> </u>		
Completion Date 1/16/08				Plug Bac 5047	k Total D	epth	Packer Set at NONE							
Casing Size Weight 4.500 10.50			internal I 4.052	Diameter		Set at 5089		orations 38	то 4824					
Tubing Size Weight 2.375 4.70				Internal I 1.995	Diameter	Se	Set at Perfo OPE		orations EN	То				
Type Completion (Describe) SINGLE				Type Flui WATE		etion	Pump Unit or Trav PUMPING			g Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing) ANNULUS				% (Carbon Di	ioxide		% Nitrogen		Gas Gravity - G _g .				
Vertical D 4731	epth(H)					P	ressure Taps	· - .	·		(Meter	Run) (Pr	over) Size	
Pressure	Buildup:	Shut in 0	9/02	2/13 2	at		(AM) (PN	1) Taken 0	9/03/13	20	at	(AM) (PM)	
Well on Li	ine:	Started									at	(AM) (PM)	
		1 2.		Pressure		OBSER	WED SURFA				Duration of Shut	l-in	Hours	
Static / Dynamic Property	Orifice Size (Inches	Meter Prover Pre	Circle one: Meter Prover Pressure psig (Pm)		Flowing Temperature t	Well Hea Temperat t	wellhes (P _w) or	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing ead Pressure or (P ₁) or (P _c) psia	Duration (Hours)		Liquid Produced (Barrels)	
Shut-in				Inches H ₂ 0			145	psia	35	psia	24			
Flow														
			$\overline{}$			FLOW S	STREAM ATT	RIBUTES						
Plate Coeffieci (F _b) (F Mcfd	ient _p)	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fac ✓ P _m x h F		tor	Flowing Temperature Factor F _{ft}	perature Factor		Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		: (ዮ")	² =	:	(OPEN FL		LIVERABILIT %	r y) CALCU (P _e - 14.4)		:		$)^2 = 0.20$	07	
(P _c) ² - (F	1	(P _c) ² - (P _w) ²		oose formula 1 or 2: 1. P ₂ ² - P ₂ 2. P ₂ ² - P ₃ dided by: P _c ² - P _w LOG of formula 1. or 2. and divide by:			Backp	Backpressure Curve Slope = "n"		rog	Antilog	O		
Oner Ele	<u> </u>			Moid @ 14	SE pois	<u> </u>	Dalliva	ability			Marial @ 44.05 ==	sia.		
Open Flov				Mcfd @ 14.			Deliver	· ·		· · · · · · · · · · · · · · · · · · ·	Mcfd @ 14.65 ps			
		ned authority, rein, and that								he above repo DECEMBER	ort and that he h		ledge of 20 <u>13</u> .	
							_		Win	l La	Pauch)	C WIC	
		Witnes	ss (if an	ny)			_			For	Company			
		For Co	mmissi	ion			-			Che	cked by	D	EC 18	

exempt state	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC e foregoing pressure information and statements contained on this application form are true and
of equipme	the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the LOGAN 6X
	the grounds that said well:
l furthe	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
	Signature: Wa L Na Danger Title: FIELD MGR.

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.

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