KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	tions on Re	verse Side)					
= :	en Flo				Test Date);			API	No. 15				
	liverat 	oilty			12/21/10)			15⊣	007-23462-0	000			
Company WOOLSEY OPERATING COMPANY, LLC				Lease LOGA							Well Number			
County BARBER			Location 2000' FNL & 1340' FWL		Section 19		TWP 34S		RNG (E/W) 11W			Acres Attributed		
Field STRANATHAN				Reservoir MISSIS				Gas Gathering Conn APC		ection		LAN		
Completion Date 11/10/09					Plug Bac 5095	k Total Dept	th	-	Packer Set at NONE		·	75	CI	
Casing Size 4.500			Welght 10.50		Internal Diameter 4.052		Set at 5130		Perforations 4682		To 4878		-WICKI	
Tubing Size 2.375			Weight		Internal Diameter		Set at 4888		Perforations OPEN		То		//	
Type Completion (Describe) SINGLE				Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing	Thru	(Anı	nulus / Tubing	<u> </u>		arbon Dioxi	de		% Nitrog		Gas G	ravity - (G.	
ANNUL				-		0				<u> </u>		5) (5	·	
Vertical D 4776	eptn(r	1)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in12/2	0/10 2	0at		(AM) (PM)	Taken_12	2/21/10	20	at		(AM) (PM)	
Well on L	ine:		Started	20	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Mater Prover Pressur psig (Pm)	Pressure Olfferential in Inches H ₃ 0	Flowing Well Head Temperature t t		(P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _o)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	Shut-In		poig (i m)	mones ri ₂ o			330	pela	psig psia		24	+		
Flow														
_			. ,			FLOW STR	EAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F	tor 1	Tomooroturo		lation Ctor : pv	Metered Flow R (Mcfd)	GOP (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
L			<u> </u>		(OPEN FL	 OW) (DELIV	ERABILITY	CALCUL	ATIONS				<u> </u>	
(P _a) ² =		_;	(P _w) ² =_	:	P _d =			, - 14.4) +		:) ² = 0.2 ₁) ² =	207	
(P _a) ² - (P _a) ² or (P _a) ² - (P _d) ²		(F	P _a)²- (P _a)²	hoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Midded by: $P_c^3 - P_a^2$	LOG of formula 1. or 2. and divide	P ₂ - P _w ²	Backpressure Curve Slope = "n"		n x	.og Do.	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
j 						<u>. </u>						_		
Open Flow Mcfd @ 14			65 psia		Deliverat	Deliverability		Mcfd @ 14.65 psia						
			d authority, on					0	day of D	ECEMBER	rt and that he h		viedge of 20 10 .	
			Witness (if	влу)			-	w	per O	Hallay	ompany	<u> </u>		
			For Commit	slon			-			Chec	ked by			

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request									
exempt status ur	nder Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC									
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									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the LOGAN 9X										
	grounds that said well:									
(Chec	k 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									
\checkmark	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 Commission by to corroborate this claim for exemption from testing.									
Date: 12/30/10	<u> </u>									
	Signature: La Allaya 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.