KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ype Test:			U II.	J J.	(tions on Re))				
Оре	en Flov	N			Test Date	9 :			API	No. 15			
Deli	iverabi	ilty			12/17/10				15-007-22807-0000				
Company WOOLSEY OPERATING COMPANY, LLC							Lease LOGAN	l			2X	Well Number	
•			Location C SE S\		Section 18		TWP 34S		RNG (E/\ 11W	W)		Acres Attributed	
Field STRANATHAN					Reservoir CHEROKEE			(nering Conne	ection		
Completion Date 4/27/04					Plug Back Total Depth 4895		th		Packer Set at NONE				
Casing Size 1.500			Weight 10.50		Internal Diameter 4.052		Set at 4895		Perforations 4554		то 4564		
Tubing Size 2.375			Weight 4.70		Internal Diameter 1.995		Set at 4595		Perforations OPEN		То		
Type Completion (D			escribe)	***************************************	Type Fluid Production WATER, OIL		n	Pump Un PUMP		_	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrogen		Gas Gravity - G _g			
ertical De		i)				Pres	ssure Taps				(Meter	Run) (Prover) Siz	
Pressure E	Buildu	p:	Shut in	4/10	0 at		. (AM) (PM)	Taken 12	2/17/10	20	at	(AM) (PM)	
Vell on Li												(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in Ho	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	emperature Wellhead		Wellhea	ubing ad Pressure (P _t) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	hut-In		, , ,	2			480	psia	450		24		
Flow													
Distr	ĺ		Circle one:			FLOW STI	REAM ATTR	BIBUTES				Flowing	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or Pressure psia		Gravity Factor F _g		Flowing Temperature Factor F _{ft}	emperature Factor		Metered Flow R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel) Gravity G _m	
P _c) ² =		•	(P _w) ² =_	:	(OPEN FL	• •	/ERABILITY % (I	') CALCUL '' _c - 14.4) +		:	(P _a) ² = 0.207) ² =	
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		2. P _c ² - P _d ² 2. P _c ² - P _d ² 1. V _c ² - P _d ²	LOG of formula 1. or 2. and divide D 2. D		Backpressure Curve Slope = "n" or		e n x 10G		Antilog	Open Flow Deliverability Equals R x Antile (Mcfd)	
						1.							
pen Flov	N .			Mcfd @ 14.	65 psia		Deliverat	oility	•		Mcfd @ 14.65 ps	sia	
		-	-								rt and that he h	as knowledge of	
e facts st	ated t	here	in, and that sa	id report is true	e and correc	t. Executed	d this the ᆜ	•	day of		n C	, 20 10	
			Witness (if	any)			-			C Corc	Company	=->RECEI	
		· · ·	For Commi	ssion			-			Chec	cked by	DEC 2 8	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best 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 2X
gas well 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 further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/22/10 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.