KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Inst	ructi	ons on Rev	rerse Side)						
Op	en Flow					Took Dake					4 D.I	NI- AF					
Deliverabilty				10/1/14	Test Date: API No. 15 10/1/14 15-007- 22869-00-00												
Company WOOLSEY OPERATING COMPANY, LLC								Lease VOGEL					1	Well Nu	ımber		
County Location BARBER N/2 SW				Section 30			TWP 33S		RNG (E/W) 10W			Acres Attrib		Attributed			
					Reservoir MISSIS		N		Gas Gathering Connec APC				on				
Completion Date 2/1/05					Plug Back Total Depth 4758			1			Packer Set at NONE						
Casing Size Weight 4.500 10.500				Internal Diameter 4.052			Set at 4 7 92		Perforations 4600			To 4650					
Tubing Size Weight 2.375 4.70				Internal Diameter 1.995			Set at 4740		Perforations OPEN			То					
						Type Fluid Production OIL, WATER				Pump Unit or Traveling P PUMPING			Plunger? Yes / No				
Producing Thru (Annulus / Tubing) ANNULUS					% C	% Carbon Dioxide				% Nitrogen				Gas Gravity - G _g			
Vertical D	epth(H)						Р	ress	ure Taps					(Meter F	Run) (P	rover) Size	
Pressure	Buildup:	: 8	Shut in 09/	30,	/14 20	at			(AM) (PM)	Taken_10)/1/14	2	.0	at		(AM) (PM)	
Well on Line:			Started 20) at	at (A			/I) (PM) Taken		20		at(AM) (PM		(AM) (PM)	
					-		OBSEF	RVEI	SURFACE	E DATA			Du	ration of Shut-i	in	Hours	
Static / Dynamic Property	Orifice Size (inches	ize Prover Pres		- 1	Pressure Differential in Inches H ₂ 0 Flowing		Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			, , ,		2				160	рыц	400	рыа	24	4			
Flow																	
							FLOW 9	STRI	EAM ATTRI	BUTES		<u>'</u>					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact √ P _m x h F _g		tor Te		emperature F		iation ictor _{pv}	Metered Fl R (Mcfd)	low	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
D \2 _			(P _w) ² :			•	• •	LIVE	ERABILITY)) CALCUL ² 14.4) +				(P _a) ² (P _d) ³	°= 0.2	907	
$(P_c)^2 = $ $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		P _d = LOG of formula 1. or 2. and divide by:			Backpressure Cu Slope = "n" ar Assigned Standard Slope		, n x	[]		Antilog	O Del Equals	Open Flow Deliverability quats R x Antilog (Mcfd)	
Open Flo	w				Mcfd @ 14.	65 psia			 Deliverab	ility			l Mof	d @ 14.65 psi	a		
The t	ındersig	nec	authority, o	n b	ehalf of the	Company, s	states the	at he	is duly au				•	and that he ha	s know	ledge of	
ne facts s	tated the	erei	n, and that s	aid	report is true	and correc	t. Execu	ited	this the 15			OCTOBER	10		/	20 14 Received	
			Witness	(if an	у)			_	-	Tr	Im.		or Comp	cory on		CT 2 2 20	
			For Com	mleci	n			-	_				hecked	hv	U	CT 2 2 20	
			i oi ooni	, noon	•••							·	RGU	~,	CON	SERVATION DIV WICHITA, KS	

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC
and that t correct to of equipm I here	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records tent installation and/or upon type of completion or upon use being made of the gas well herein named. Beby request a one-year exemption from open flow testing for the VOGEL #1
gas well o	on the grounds that said well:
	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
	ner agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
Date: <u>10/</u>	/15/14
	Signature: Zun L Sullage. 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.