RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

_ :	en Flow iverabilty			Test Date):	ictions on Rev	erse Side	ÁPI	No. 15	20.04	
Company				07/10/13	3	Lease		15-	007-01017-0		Well Number
WOOLSEY OPERATING COMPANY, LLC County Location				Section	ROTH Section TWP				W)	2	Acres Attributed
BARBER NE SE SW			31		338	3S 13W				Adres Attributed	
Field AETNA				Reservoir MISSISSIPPIAN			Gas Gathering Connection APC				
Completion Date 10/12/89			Plug Back 4831	k Total De	epth		Packer Set at NONE				
Casing Siz			Internal Diameter 4.052		Set at 5024		Perforations 4703		то 4712		
Tubing Siz			Internal Diameter 1.995		Set at 4755		Perforations OPEN		То		
Type Completion (Describe)			Type Flui	d Producti		<u> </u>			ng Plunger? Yes / No		
Producing	Thru (An	nulus / Tubin	g)		arbon Dio	oxide		% Nitrogen		Gas Gravity - G _g	
ANNULU Vertical De					Pre	essure Taps				(Meter	Run) (Prover) Size
4708		07/	/10	13		.	07	7/11		13	
Pressure E Well on Lii	•										(AM) (PM)
Well Off Lif	ne.	Started		U at		(AIVI) (PIVI)	iakeii		20	at	(AM) (PM)
		Circle one:	Pressure		:	/ED SURFACE		Τ -	Tubing	Duration of Shut	-in Hours
Static / Dynamic Property	Orifice Size (inches)	Meter Prover Press	Differential in	Flowing Temperature t	Well Head Temperatu t	re Wellhead (P _w) or (P	Wellhead Pressure Wel		ad Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	· · · · · ·	psig (Pm)	Inches H ₂ 0			psig 51	psia	psig 48	psia	24	
Flow						29		30			
			· • • • • • • • • • • • • • • • • • • •		FLOW ST	TREAM ATTR	IBUTES		t		
Plate Coeffiecie (F _b) (F _p Mcfd	ent	Circle one: Meter or E Prover Pressure psia		Grav Fact	tor	Flowing Temperature Factor F _{ft}	Fa	riation actor = pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity
			. : '								
P _c) ² =	:	(P _w) ² =	· :	(OPEN FLO		IVERABILITY) % (P) CALCUL ² c - 14.4) +			(Pa) (Pa)) ² = 0.207
(P _c) ² - (P or (P _c) ² - (P		P _c) ² - (P _w) ²	Choose formula 1 or 2. 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpres Slop Ass	ssure Curve be = "n" or signed ard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
									•		
Open Flow	<u> </u>		Mcfd @ 14.	65 neia		Deliverab	ility	<u> </u>		Mcfd @ 14.65 ps	lia .
		d authority, o			states that			o måke th		ort and that he ha	
ne facts sta	ated there	in, and that s	aid report is true	e and correc	t. Execute	ed this the 31	1	day of A	UGUST		, 20 13
								_ 1	1 21		
		Witness ((if any)			_		Um L	Nach	bugh	KCC WICH

exempt status under and that the foregoi correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the ROTH #2
is i	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D s supply to the best of my ability any and all supporting documents deemed by Commission
Date: 08/31/13	o corroborate this claim for exemption from testing.
	Signature: Wallaugh. 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.