KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side)					
Op	oen Flor	N			T1 D-1-				4.00	No. 45				
☐ De	eliverab	lty			Test Date 8/3/11) :				No. 15 ·007-01017-(0001			
Company		PER	ATING CON	 1PANY, LLC			Lease ROTH					Well Nur	mber	
County BARBER	R	-	Locatio NE SE S		Section 31		TWP 33S		RNG (E	(W)		Acres A	ttributed	
Field AETNA					Reservoir MISSIS				Gas Gar APC	thering Conn	ection		!*	
Completion 10/12/89		a			Plug Bac 4831	k Total Dept	th	,	Packer S NONE	Set at				
Casing Size 4.500			Weight	Internal Diameter 4.052		Set at 5024		Perforations 4703		To 4712	- -			
Tubing Size 2.375			Weight 4.70			Internal Diameter 1.995		Set at 4755		Perforations OPEN		То		
Type Con	•	(De		<u></u>	Type Flui	d Production				nit or Traveling	Plunger? Yes	/ No		
Producing	g Thru	(Anr	nulus / Tubing			arbon Dioxi	de		% Nitrog		Gas Gi	ravity - G	9	
Vertical C		`				Prop	sure Taps				/Motor	Bun\ /Dr	over) Size	
4708	zepai(r:	,				ries	sure raps				(were)	nun) (Fii	over) Size	
Pressure	Buildu	o: :	Shut in _8/2/	11 2	0 at		(AM) (PM)	Taken_8/	3/11	20	at	(/	AM) (PM)	
Well on L	_ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(4	AM) (PM)	
	,					OBSERVE	D SURFACE	DATA	_		Duration of Shut	-in	Hours	
Static / Dynamic Property	Orlfin	•	Circle one: Meter Prover Pressur psig (Pm)	- ''''	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P ₁	ressure) or (P _c)	Wellhe	Tubing ead Pressure (P,) or (P _e)	Duration (Hours)		Produced arrels)	
Shut-In	<u> </u>		psig (Fill)	Inches H₂0			psig 68	psia	psig 65	psia	24			
Flow														
						FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiec (F _b) (F Mcfd	ient ,		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor 1	Flowing Temperature Factor F _{ri}	Fa	iation ctor :	Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
								<u>. </u>						
(P _c)² =			(P _w) ² =_	•	(OPEN FLO		ERABILITY)	CALCUL , - 14.4) +			-) ² = 0.20	70	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- T	<u> </u>	C	hoose formula 1 or 2					· · · · ·		(F _d)	1		
(P _e) ² - (l or (P _e) ² - (l		(P	(P _w) ² · (P _w) ²	1. P _c ² · P _a ² 2. P _c ² · P _d ² wated by: P _c ² · P _d ²	LOG of formula 1, or 2, and divide by:	P.2. P.2	Stope	sure Curve e = "n" or igned rd Slope	n x	LOG	Antil og	Deliv Equals	en Flow verability R x Antilog Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	lity			Mcfd @ 14.65 ps	ia		
					-		_			· ·	rt and that he ha		·	
are racts s	oiaie0 (f	ierei	n, and that sai	o report is true	anu correc	ı. ⊏xecuied	uns ine <u>10</u>		nday of	OVEMBER	00	RECE	o 11 EIVFD	
			Witness (if	any)				w		For	Corpustry		0 2011	
			For Commis	sion			_			Che	ked by		<u> </u>	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC							
	going pressure information and statements contained on this application form are true and							
correct to the bes	st of my knowledge and belief based upon available production summaries and lease records							
	rallation and/or upon type of completion or upon use being made of the gas well herein named.							
	est a one-year exemption from open flow testing for the ROTH #2							
gas well on the g	rounds that said well:							
(Checi	k one)							
·	is a coalbed methane producer							
	is cycled on plunger lift due to water							
Ī	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.							
<u></u>	is not capable of producing at a daily rate in excess of 250 mcf/D							
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission							
staff as necessai	y to corroborate this claim for exemption from testing.							
Date: 11/10/11								
	Signature: Whe L Help							
	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.