## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				!	(See Instruc	tions on Re	verse Side	<del>;</del> )				
=	en Flo				Test Date	e:			API	No. 15			
De	liverat	ilty	<u>.</u>		9/30/15					033-20688-0	00-01		
Company WOOLS		PEF	RATING COM	MPANY, LLC			Lease MURDO	ск			1	Well No	ımber
County COMANCHE			Locatio NE SW		Section N 34		TWP 34S		RNG (E/W) 16W		Acres Attributed		Attributed
Field AETNA					Reservoi MISSIS	r SIPPIAN			Gas Gat ATLAS	hering Conn	ection		
Completion Date 5/22/08					Plug Back Total Dec 5764			Packer Set at NONE		iet at	-		
Casing Size 4.500		Weight 10.50			Internal Diameter 4.052		Set at 5789		Perforations 5262		то 5357		
Tubing Size 2.375			Weight 4.70		Internal I 1.995	Diameter Set at 5385			Perforations OPEN		То		
Type Con SINGLE	•	n (D	escribe)		Type Flui WATE	id Productio	n		Pump Ur PUMP	it or Traveling	Plunger? Yes	/ No	•
	-	(An	nulus / Tubing	)	% (	Carbon Dioxi	ide		% Nitrog	en	Gas Gr	avity -	G <sub>g</sub>
ANNUL Vertical D		<del>(</del> )				Pres	sure Taps				(Meter F	Run) (P	rover) Size
5310			0/00					0.0	0045				
Pressure	Buildu	p:	Shut in <u>9/29</u>	. 2	0 at		(AM) (PM)	Taken9/	30/15	20	at		(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in	Hours
Static / Dynamic Property	Orifi Sia (inch	e	Circle one: Meter Prover Pressui	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Wollhood Proceure   Wollhood Proceure   Duration			d Produced Barrels)			
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig	psia	psig	psia			
	.750	)		<del> </del>		_	210		760	-	24	<u> </u>	-
Flow			<u> </u>			LOW STE	EAM ATTR	IBUTES	<u> </u>				]
Plate			Circle one:	Press	Grav		Flowing			No.	y GOR		Flowing
Coeffiecient (F <sub>b</sub> ) (F <sub>c</sub> )		Pro	Meter or over Pressure	Extension	) Fac	tor	Temperature Factor	Fa	iation ctor	Metered Flov R	(Cubic Fe	et/	Fluid Gravity
Mcfd			psia	- ✓ P <sub>m</sub> xħ	F,		F <sub>r</sub>		pv	(Mcfd)	Barrel)		G <sub>m</sub>
4D 10			(D. 12		•	OW) (DELIV						= 0.2	:07
(P <sub>c</sub> )² ==	<del></del>	<u>-:</u>	(P <sub>w</sub> ) <sup>2</sup> =_	hoose formula 1 or 2	P <sub>d</sub> ==			· - 14.4) +		= <u>=</u> :	(P <sub>a</sub> ) <sup>2</sup>		<del></del>
(P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>a</sub> )²	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula		Slop	ssure Curve pe = "n"	n x l	.og	Antilon		en Flow iverability
(P <sub>e</sub> ) <sup>2</sup> - (F	o <sup>4</sup> )5		a	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> wided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	1. or 2. and divide by:	P.2- P.2	Ass	orsigned ard Slope		_ [	Antilog		R x Antilog (Mcfd)
_													
Open Flor	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a	
The u	ınders	igned	d authority, on	behalf of the	Company, s	states that h	e is duly au			-	rt and that he ha	s know	ledge of
the facts st	tated t	herei	n, and that sai	d report is true	and correc	t. Executed	this the 9		day of O	CTOBER		<u> </u>	<sub>20</sub> <u>15</u> .
_			1984 21	anud.	KANSAS COI	Received	OMMISSION _	Wm	R	Kella	y le		
			Witness (if		ስՐ	<del>T_1 6 -</del> 20	115				émpany		
			For Commis	sion	-00	1-10-21	-			Chec	ked by		

CONSERVATION DIVISION WICHITA, KS

	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							
	allation 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 MURDOCK 1							
	rounds that said well:							
(Check	cone)							
	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							
<b>√</b>	is not capable of producing at a daily rate in excess of 250 mcf/D							
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.							
Date: 10/9/15								
	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.

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