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

Type Tes							(See Inst	ructio	ns on Re	everse Sid	e)						
Open Flow Deliverabilty				Test Date: API No. 15 9/17/2013 15-007-22						4 000	4						
Compan			····		<u>, , , , , , , , , , , , , , , , , , , </u>	9/1//20	713		Lease				1-000	1	Well No	ımber	
Indian (	Oil Co	_		41			-		Swartz	<u>.                                    </u>				1A	_		
County Loca Barber S2 N				n Section 31				TWP RNG (E/W) 31 11W					Acres	Attributed			
Field Whelan	Whelan						Reservoir Douglas/Elgin			Gas Gathering Conr WWGG			nection		_		
	Completion Date 4/18/2005						Plug Back Total Depti 3625			th Packer Set at							
Casing S 4.5	casing Size .5			Weight 1050#		Internal Diame		er Set at 3612			Perforations 3506			To 3518		·	
Tubing S 2-3/8	ubing Size -3/8			Weight		Internal Dia		eter Set a		at	Perforations 3299			To 3305			
Type Cor						Type Flu	id Produc	tion				Init or Travelin	g Plung		/ No	<del></del>	
Drodusin	ung	20	(Gas			~ .	N. 1				yes						
	nulu	-	iuius / Iudi	ng)		% (	Carbon D	loxide			% Nitro	gen		Gas G	avity - (	€,	
Vertical E	epth(H)	)			• .		Р	ressur	re Taps	~-	<del></del>	**	—· . <u> </u>	(Meter	Run) (P	rover) Size	
														_		<i>.</i>	
Pressure	Buildup	: :	Shut in 9/	17	2	20 13 at 9	:00 am	(A	M) (PM)	Taken_9/		20					
Well on L		;	Started 9/1	8	2	o <u>13</u> at <u></u>	1,00	— ( <u>A</u>	<u>M</u> ) (PM)	Taken <u>9/</u>	18	20	<u>13</u> ;	at <u>4:00</u>	am	(AM) (PM)	
					,		OBSER	VED S	SURFAC	E DATA			Durat	ion of Shut-	-in	Hours	
Static /	Orific		Circle one:  Meter  Prover Pressure  psig (Pm)		Pressure Differential	Flowing	Well Hea		Casing Wellhead Pressure		1	Tubing ead Pressure	·	Duration		Liquid Produced	
Dynamic Property	Size (inche:				in Inches H <sub>e</sub> 0	Temperature t	Temperat t	IIZA I	(P <sub>w</sub> ) or (F	P <sub>t</sub> ) or (P <sub>c</sub> )	(P <sub>w</sub> )	or (P <sub>1</sub> ) or (P <sub>c</sub> )	(Hours)		(Barrels)		
Shut-in			- Poig (*)		mones 11 <sub>2</sub> 0		<u> </u>	q	psig_  4	psia IDD	100	psia	24	<del></del> -	<del> </del>		
Flow		-						$\dashv$		,00	100	110	24		-		
		j					FLOWS	TREA	M ATTR	IRIITES	<u>L</u>				<u> </u>		
Plate			Circle one;	Τ	Press	0.00		-	lowing	T-						Flowing	
Coeffieci		Meter or Prover Pressure psia		1	Extension	Fac	Gravity Factor		perature actor	Deviation Factor		Metered Fig R	ow	GOR (Cubic Fee		Fluid	
Mcfd	,,				✓ P <sub>m</sub> xh	F,	,		F <sub>tt</sub>	F	pv pv	(Mcfd)	Barrel)		)	Gravity G <sub>m</sub>	
			_			(OPEN FL	OW) (DEI	.IVER	ABILITY	) CALCUL	ATIONS		بـــــــــــــــــــــــــــــــــــــ				
o°), =		:	(P <sub>w</sub> ) <sup>2</sup> :	<u> </u>	:	P <sub>d</sub> =		_%		P <sub>c</sub> - 14.4) +		:		(P <sub>s</sub> )	2 = 0.2 2 =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>			ose formula 1 or 2: 1. P <sub>s</sub> ²-P <sub>s</sub> ²	LOG of	LOG of		Backpressure Curve Slope = "n"			ГП				Open Flow	
or (P <sub>c</sub> ) <sup>2</sup> - (P	-	( F ( W)			2. P <sub>o</sub> ² - P <sub>d</sub> ²	formula 1. or 2. and divida	formula 1. or 2.		or Assigned		n x	LOG		Antilog		Deliverability Equals R x Antilog	
				divid	led by: Pc2 - Pw2	by:	P.2 - P.2			ard Slope						Mcfd)	
						<u> </u>											
pen Flov					Mcfd @ 14.0	65 psia			Deliverab	ility			Mcfd @	14.65 psi	а		
The u	ndersigi	ned	authority, o	n be	ehalf of the	Company, s	tates tha	t he is	duly au	thorized to	make t	he above rep	ort and	that he ha	s John W	edge of	
					report is true							eptember	10	//	//	13 .	
			•	•	,	231100		HIM		<del></del>	— ان بسد مروسر	11		1			
<del>.</del>			Witness (	if any	)	<del></del>		-	_			( N	Company	<del>/</del>	<b>460</b>	WICH	
						<u>-</u> -		-	_						NUA	0 4 2013	
			For Comm	ntssio	n							Che	cked by		<del></del>		

exempt status und and that the fore correct to the bes	der Rule K.A.R. 82-3-304 going pressure informat t of my knowledge and b	der the laws of the state of Ka 4 on behalf of the operator India tion and statements contained belief based upon available pro a of completion or upon use bein	on this application form a duction summaries and lea	re true and ase records
		on from open flow testing for the		
	rounds that said well:			
	is on vacuum at the pr is not capable of prod ee to supply to the best o	·	ket No of 250 mcf/D rting documents deemed b	y Commission
Date: 9/18/2013	<del></del>			
		Signature: Signature: President	NA	

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.