## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:	Met		(	See Instruc	tions on Re	verse Side	<del>)</del> )					
Ор	en Flow	MIST		Test Date	a:			A	PI No. 15				
Del	iverabilty			4/25/20				1	81-20336-00 <b>0</b>	0			
Company Rosewoo		urces				Lease Duell	•			1	We I-10	Il Number	
County Location Sherman NENE			Section TWP 10 7S			RNG (E/W) 39W			Acres Attributed 80				
Field				Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.				RECE	IVED	
Completic				Plug Bac 1197*	k Total Dep	oth			r Set at			JAN 0	3 201
Casing Size Weight			Internal Diameter Set at 4.052 1206'					rforations 30'		Го  010'	JAN 0 KCC WI	Сніт	
4 1/2" 10.5# Tubing Size Weight				ernal Diameter Set at			Perforations			To		VI 11 1,	
		Describe)			id Production	on .		-	Unit or Traveling	Plunger?	Yes / (	No	
'		ntional)	-1	Dry Ga				Flow % Nit	<del>-</del>		Gas Gravi	tu - G	
Producing <b>Annulu</b> s		nnulus / Tubin	9)	% C	Carbon Diox	lide		% INIL	rogen		.6	ny - G <sub>g</sub>	
Vertical D					Pres Flar	ssure Taps						n) (Prover) Size	
Pressure	Buildup:	Shut in 4-2	4 ,	12 <sub>s</sub> 3		. (AM) (PM)	Taken 4-	-25	20	12 <sub>at</sub> 3	:15	(AM((PM))	
Well on L	•	Started 4-2	5 2	12 at 3		(AM) (PM)	Taken 4-	-26		12 <sub>at</sub> 4		(AM) (PM)	
						ED SURFAC				Duration o	of Shut-in	24 Hours	
Static / Dynamic	Orifice Size	Circle one:  Meter Prover Pressure in  Tubing Well Head Temperature t  Well Head Temperature t  Casing Wellhead Pressure Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>t</sub> ) or (P <sub>t</sub> )		llhead Pressure	Durati	Ouration Liquid Produced							
Property	(inches)					(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		(Hours)		(Barrels)	
Shut-In						12	26.4						
Flow						6	20.4			24		0	
			<u> </u>		FLOW ST	REAM ATT	RIBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia  Press Extensio		Fac	Gravity Tel		Deviation Factor F <sub>p</sub> ,		Metered Flor R (Mcfd)	1	GOR Subic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
						· · · · · · · · · · · · · · · · · · ·			7				
·= \-				•		VERABILITY						0.207	
(P <sub>c</sub> ) <sup>2</sup> =	:	: (P <sub>*</sub> )² =				% (	P <sub>c</sub> - 14.4) +	+ 14.4 =	<u>'</u>	1	(P <sub>d</sub> ) <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or		$(P_c)^2 - (P_w)^2$ Choose formula 1 or 2:  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		LOG of formula		Backpressure Curve Slope = "n"		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog	
(P <sub>c</sub> ) <sup>2</sup> - (	P <sub>d</sub> )*		divided by: Pc2 - Pw	and divide by:	P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>		ssigned dard Slope	_				(Mcfd)	
Open Flo	w		Mcfd @ 14.	 65 psia		Delivera	bility			Mcfd @ 14	1.65 psia		
		ned authority, o			states that	he is duly a	uthorized	to make	e the above repo	ort and tha	t he has	knowledge of	
			aid report is true						December			, 20 12	
							C	-70	anull	Œ	Ull	)	
		Witness	(if any)				4		For	Company			
		For Comr	mission						Che	ecked by			

## JAN 0 3 2013

## **KCC WICHITA**

	NOC WICHIA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	oing pressure information and statements contained on this application form are true and
correct to the best	of my knowledge and belief based upon available production summaries and lease records
• •	llation and/or upon type of completion or upon use being made of the gas well herein named.  st a one-year exemption from open flow testing for the
	ounds that said well:
(Check	one)
	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.
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/20/12	
	Signature: <u>Janull Guul</u>

## 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.

W397 Duell 1-10 North Goodland Goodland None April-12

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	Casing			HRS		REMARKS
DATE	PSI	STATIC	MC	F DOWN	1	(Maximum length 110 characters)
4/1/2012		5	18	7	0	
4/2/2012		5	18	7	0	
4/3/2012		5	18	8	0	
4/4/2012		5	18	8	0	
4/5/2012		5	18	8	0	
4/6/2012		5	18	7	0	
4/7/2012		5	18	7	0	
4/8/2012		5	18	7	0	
4/9/2012		5	18	7	0	
4/10/2012		5	18	7	0	
4/11/2012		5	18	7	0	
4/12/2012		5	18	7	0	
4/13/2012		5	18	7	0	
4/14/2012		5	18	7	0	
4/15/2012		5	18	7	0	
4/16/2012		5	18	8	0	
4/17/2012		5	18	8	0	
4/18/2012		5	18	5	3	
4/19/2012		5	18	8	0	
4/20/2012		5	18	7	0	
4/21/2012		5	18	7	0	
4/22/2012		5	18	7	0	
4/23/2012		5	18	7	0	
4/24/2012			18	7	0	shut in for state
4/25/2012	1	2	18	0	24	opened up
4/26/2012		6	19	9	0	
4/27/2012		6	19	4	9.5	
4/28/2012		6	19	8	0	
4/29/2012		6	19	8	0	
4/30/2012		5	18	8	0	
5/1/2012		0	0	0	0	

W397 Duell 1-10 North Goodland Goodland None May-12 RECEIVED

JAN 0 3 2013

KCC WICHITA

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
5/1/2012		5	18	7	0	
5/2/2012		5	18	7	0	
5/3/2012		5	18	8	0	
5/4/2012		5	18	7	0	
5/5/2012		5	18	7	0	
5/6/2012		5	18	7	0	
5/7/2012		5	18	8	0	
5/8/2012		5	18	8	0	
5/9/2012		5	18	7	0	
5/10/2012		5	18	7	0	
5/11/2012		5	18	7	0	
5/12/2012		5	18	8	0	
5/13/2012		5	18	8	0	
5/14/2012		5	18	7	0	
5/15/2012		5	18	7	0	
5/16/2012		5	18	7	0	
5/17/2012		5	18	7	0	
5/18/2012		5	18	7	0	
5/19/2012		5	18	7	0	
5/20/2012		5	18	8	0	
5/21/2012		5	18	7	0	
5/22/2012		5	18	7	0	
5/23/2012		5	18	8	0	
5/24/2012		5	18	8	0	
5/25/2012		5	18	7	0	
5/26/2012		5	18	7	0	
5/27/2012		5	18	7	0	
5/28/2012		5	18	6	2	
5/29/2012		5	18	6	2.5	
5/30/2012		5	18	7	0	
5/31/2012		5	18	8	0	

Total

W397 Duell 1-10 North Goodland Goodland None June-12 JAN 0.3 2013 KCC WICHITA

	Casing			HR	.s T	REMARKS
DATE	PSI	STATIC	MCF	DO	WN	(Maximum length 110 characters)
6/1/2012		5	18	7	0	
6/2/2012	·	5	18	7	0	
6/3/2012		5	18	7	0	
6/4/2012		5	18	7	0	
6/5/2012		5	18	7	0	
6/6/2012		5	18	8	0	
6/7/2012		5	18	8	0	
6/8/2012		5	18	8	0	
6/9/2012		5	18	8	0	
6/10/2012		8	21	4	20	
6/11/2012		8	21	4	14	
6/12/2012		8	21	4	7	
6/13/2012		8	21	4	3	
6/14/2012		8	21	4	1	
6/15/2012		6	19	9	2.5	
6/16/2012		6	19	9	0	
6/17/2012		6	19	9	0	
6/18/2012		6	19	9	0	
6/19/2012		6	19	9	2	
6/20/2012		6	19	9	2	
6/21/2012		6	19	9	0	
6/22/2012		5	18	8	0	
6/23/2012		5	18	8	0	
6/24/2012		5	18	8	0	
6/25/2012		5	18	8	0	
6/26/2012		5	18	8	0	
6/27/2012		5	18	8	0	
6/28/2012		5	18	8	0	
6/29/2012		5	18	8	0	
6/30/2012		5	18	8	0	
7/1/2012					0	