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

Type Test		cter		(	See Instruct	ions on Re	verse Side	)				
□ Ор	en Flow	MSL						4.51	N- 45			
	liverabilty			Test Date 10/1/14	<b>):</b>				No. 15 1-20408-00	00		
Company		urces, Inc.			<u> </u>	Lease Duell				11-27	Well Number	
County Location Sherman NWNW				Section TWP 7S				RNG (E/W) 39W			Acres Attributed 80	
Field Goodlan	d			Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completion 6/6/200				Plug Bac 1215'	k Total Dept	h 		Packer S	Set at			
Casing Size Weight 4 1/2" 10.5#			Internal D 4.000	Diameter		Set at 1 <u>215'</u>		rations 0'	то 1064'			
Tubing Si	ze	Weight		Internal Diameter Set at			at	Perfo	rations	То		
Type Con Single (				Type Flui Dry Ga	d Production	1		Pump Ur	nit or Traveling	Plunger? Yes	(No)	
Producing		nnulus / Tubing	)	% C	arbon Dioxi	de	_	% Nitrog	en	Gas Gr .6	Gas Gravity - G	
Vertical D					Press	sure Taps				(Meter	Run) (Prover) Size	
1215'					Flang	<u> </u>				2"		
Pressure	Buildup:	Shut in 9-30		20_ <u>14_</u> at(AM) (PM) Taken_1						14 at 1:45	(AM) (PM)	
Well on L	ine:	Started 10-1		20 14 at 1:45 (AM)((PM)) Taken 10-2					20	14 at 2:35	(AM) (PM)	
				_	OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours	
Static / Orifice Mei Dynamic Size Prover P		Circle one: Meter	Pressure Differential	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure		Tubing Wellhead Pressure			Liquid Produced	
		)   Prover Pressure   in		1 '+ 1 '+		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		(Hours)	(Barrels)	
Shut-In	_		<del> `</del>			9	23.4	, , , , , , , , , , , , , , , , , , ,		<del></del>		
Flow						5	19.4	_		24		
					FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fac F <sub>s</sub>	tor T	Flowing emperature Factor F <sub>ft</sub>	Fa	iation ctor <sub>pv</sub>	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	l Gravitu I	
					_			_	10			
		1		(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS			2 0.007	
(P <sub>c</sub> ) <sup>2</sup> =	;	(P <sub>w</sub> ) <sup>2</sup> =_	_:	•			14.4) +		:	(P <sub>a</sub> )	2 = 0.207 2 =	
(P <sub>e</sub> ) <sup>2</sup> - (F	⊃ <sub>a</sub> )²		1. P <sub>a</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2.		Backpre Slo	ssure Curve pe ≈ "n" - orsigned	n x	rod	Antilog	Open Flow Deliverability Equals R x Antilog	
,, e, - (1	d'		livided by: Pc2 - Pw	and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		lard Slope	-			(Mcfd)	
	+					1		<del>                                     </del>		<b></b>		
Open Flor	<u> </u>		Mcfd @ 14.	65 nsia		Deliverat	nility			Mcfd @ 14.65 ps	ia	
		ed authority on			etates that h			o make H	ne ahove rend	ort and that he ha		
	_	ein, and that sa		• -		_			ecember		, 20 14	
	_			KÇC	<u> Wici</u>	HITA		an	rell -	Marti	ay_	
		Witness (if		FE	3 2 3 20	)15 .				Company	<i>δ</i>	
		For Commi	ssion						Che	cked by		

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exempt status under and that the foregoing	penalty of perjury under the laws of the state of Kansas that I am Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resource of pressure information and statements contained on this application with the content of the production of the content of the con	ces, Inc.
of equipment installa	ion and/or upon type of completion or upon use being made of the case of the c	
<u> </u>	e) a coalbed methane producer cycled on plunger lift due to water	
is	a source of natural gas for injection into an oil reservoir undergoin on vacuum at the present time; KCC approval Docket Nonot capable of producing at a daily rate in excess of 250 mcf/D	g ER
•	supply to the best of my ability any and all supporting documents corroborate this claim for exemption from testing.	deemed by Commission
Date: <u>12/16/14</u>	<del></del>	
FEB	WICHITA Signature:	attuoj

## 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.

## W2266 Duell 111-27

1

North Goodland

Goodland

None

September-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	N	(Maximum length 110 characters)
9/1/2014		5 18	3	11	0	
9/2/2014		5 18	3	11	0	
9/3/2014		5 18	3	11	0	meter problems check voltage, sunsave
9/4/2014		5 18	3	11	0	
9/5/2014		5 13	3	11	0	
9/6/2014		5 18	3	11	0	
9/7/2014		5 13	3	11	0	
9/8/2014		5 18	3	11	0	
9/9/2014		5 18	3	10	0	
9/10/2014		5 13	3	10	0	
9/11/2014		5 18	3	10	0	
9/12/2014		5 18	3	10	0	
9/13/2014		5 18	3	10	0	
9/14/2014		5 18	3	10	0	
9/15/2014		5 18	3	10	0.5	
9/16/2014		5 18	3	10	0	
9/17/2014		5 18	3	10	0	
9/18/2014		5 18	3	10	0.5	
9/19/2014		5 18	3	10	0	
9/20/2014		5 18	3	10	0	
9/21/2014		5 18	3	10	0	
9/22/2014		5 18	3	10	0	
9/23/2014		5 18	3	10	0	
9/24/2014		5 18	3	10	0	
9/25/2014		5 18	3	10	0	
9/26/2014		5 18	3	10	0	
9/27/2014		5 18	3	10	0	
9/28/2014		5 18	3	10	0	
9/29/2014		5 18	3	10	0	
9/30/2014		5 18	3	10	0	shut in for state, rplcd bat
10/1/2014		0	)	0	0	opened up

Total 308

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Duell 111-27

North Goodland

Goodland

None

October-14

	Casing			HF	RS-	REMARKS
ATE	PSI	STATIC	MCF	DC	OWN	(Maximum length 110 characters)
10/1/2014		9	22	0	24	opened up
10/2/2014		5	8	10	0	
10/3/2014		5	8	10	0	
10/4/2014		5	8	10	0	
10/5/2014		5	.8	10	0	
10/6/2014		5	8	10	0	
10/7/2014		5	8	10	0	
10/8/2014		5	8	10	0	meter read 2, need sunsaver
10/9/2014		5	8	10	0	
10/10/2014		5	8	10	0	
10/11/2014		5	8	10	l	
10/12/2014		5	8	10	0	
10/13/2014		5	8	10	0	•
10/14/2014		5	18	10	0	meter read 5, rplcd battery
10/15/2014		5	8	01	0	
10/16/2014		5	8	10	1	
10/17/2014		5	8	10	0	
10/18/2014		5	8	10	0	
10/19/2014		5	8	10	0	
10/20/2014		5	8	10	0	
10/21/2014		5	8	10	0	
10/22/2014		5	8	10	0	
10/23/2014		5	8	10	0	
10/24/2014		5	8	10	0	
10/25/2014		5	18	10	0	
10/26/2014		5	18	10	0	
10/27/2014		5	18	10	0	
10/28/2014		5	18	9	0	
10/29/2014		5	18	9	0	meter read 4, flowing 9, replaced battery
10/30/2014		5	18	9	0	
10/31/2014		5	8	9	0	

Total 296

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## W2266

Dual 111-27 💆

North Goodland

Goodland

None

November-14

	Casing			HRS		REMARKS
DATE	PSI _	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2014		5	18	10	0	
11/2/2014		5	18	10 .	0	
11/3/2014		5	18	10	0	
11/4/2014		5	18	10	0	
11/5/2014		5	18	10	0	
11/6/2014		5	18	10	0	
11/7/2014		5	18	10	0	
11/8/2014		4	17	10	0	
11/9/2014		4	17	10	0	
11/10/2014		4	17	10	0	
11/11/2014		4	17	10	0	
11/12/2014		4	17	9	0	
11/13/2014		4	17	10	0	
11/14/2014		4	17	10	0	
11/15/2014		4	17	7	0	
11/16/2014		4	17	5	0	
11/17/2014		4	17	8	0	
11/18/2014		4	17	9	0	
11/19/2014		4	17	12	0	
11/20/2014		4	17	12	0	
11/21/2014		4	17	11	0	
11/22/2014		4	17	12	0	
11/23/2014		4	17	10	0	
11/24/2014		4	17	10	0	
11/25/2014		4	17	10	1.5	bp
11/26/2014		4	17	10	0	
11/27/2014		4	17	10	0	
11/28/2014		4	17	10	0	
11/29/2014		4	17	10	0	
11/30/2014		4	17	10	0	
12/1/2014					0	

Total 295

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