Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

rpe Test:	n Flow	ASI			(See Instruc	tions on I	Reverse Sid	ie)						
	verabil	•			Test Date 5/24/20					API N 181-2	lo. 15 20506-000	0			
ompany osewoo	d Res	ources, Inc					Lease				. .		44-06	Well Nu	mber
County Location Sherman SESE/4			Section 6		TWP 9S			RNG (E/W) 40W		Acres Attr		attributed			
Field Goodand			Reservoir Niobrara			Gas Gathering C Branch Systems		-	nection nc. RECI		RECEIVE				
mpletion 25/2007		!			Plug Bac 1253'	k Total Dep	oth		Pac	ker Se	t at				IAN D3
Casing Size Weight 1/2" 10.5#			Internal Diameter 4.052			Set at 1253'		Perforations 1140			To 1170'	Kr	JAN 03 ; CWICH		
rubing Size Weight			Internal Diameter			Set at		Perforations			То	nt	ic Mich		
		(Describe) entional)			Type Flui Dry Ga	d Productions	'n			np Unit wing	or Traveling	Plunger	? Yes	(No)	
Producing Thru (Annulus / Tubing)				% Carbon Dioxide			8		% Nitrogen		Gas Gravity - G _o .6		3,		
/ertical Depth(H) 264'				Pressure Taps Flange								(Meter Run) (Prover) Size 2"			
essure E	Buildup	: Shut in	5-23	20	20 12 at 1:20 (AM)			M) (PM) Taken 5-24		20	0 12 at 1:45 (AM) (PM)		AM) (PM)		
ell on Lir	ne:	Started _	5-24	20	12 at 1	:45	(AM) (FI	M) Taken	5-25		20	12 at .	2:20		AM)(PM)
						OBSERVI	ED SURF	CE DATA				Duration	of Shut-	in_24	Hours
Static / Orifice Mete ynamic Size roperty (inches) Prover Pri psig (F		er essure	Differential Temperature Temperature		, ,	Wellhead Pressure (P _w) or (P _c) or (P _c)		(Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)				id Produced Barrels)		
nut-In		Po.3 (,	11,21,00 11,20			nsig 16	30.4		psig	psia				
low							2	16.4				24		0	
		0::-			1	FLOW ST	Flowing	TRIBUTES	-	- 1					
Plate Coefficient (F _b) (F _p) Mcfd		Meter or Pressure psia Pr _m xh		Fac	Gravity Factor Ten		•	eviation Factor F _{pv}	tor R		٧	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
· <u>-</u>											3				
					-	OW) (DELI								² = 0.2	07
)2 =		: (P _w) ² =	ase formula 1 or 2:	P ₀ =		<u>%</u>	(P _c - 14.4)		l =	: :		(P _d)	i ² =	
$(P_c)^2 \cdot (P_a)^2$ $(P_c)^2 \cdot (P_c)^2 \cdot (P_c)^2$		(P _c) ² - (P _w) ²		1. P ₂ -P ₂ LOG of formula 2. P ₂ -P ₃ and orivide divided by: P ₂ -P ₂ by:		P _c ² - P _w ²	Backpressure Cu Slope = "n"or		n x LOG		Antiloo :		Deli Equals	Open Flow Deliverability Jals R x Antilog (Mcfd)	
en Flow	<u> </u>			Mcfd @ 14.6	5 psia		Delive	rability	l			Mcfd @	14.65 ps	ia	
		ned authorit	v on h	ehalf of the (tates that	-	•	to ma	ike the					ledge of
	_			report is true			-		day	De	cember	······	7 ·· ··		20 12
		Lan	<i>()</i>						$\supset c$	ûv	rall	_6	UU	40	<u>)</u>
		W)In	ess (if an	y)				•	•		rort	Company			

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	KCC WICHTA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
and that the foreg correct to the best of equipment insta I hereby reque	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 of my knowledge and belief based upon available production summaries and lease records liation 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 Townsend 44-06 punds that said well:
	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 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 to corroborate this claim for exemption from testing.
Date: <u>12/20/12</u>	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.

W2438 Townsend 44-06 South Goodland Goodland None

May-12

JAN 0 3 2013 KCC WICHITA

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

Total

W2438 Townsend 44-06 South Goodland Goodland None June-12

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JAN 0 3 2013

KCC WICHITA

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

Total

W2438 Townsend 44-06 South Goodland Goodland None July-12

JAN 0 3 2013 KCC WICHITA

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

Total