KCC WICHITA



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

Type Test:	Flow (	RSI		(	See Instruct	ions on Re	verse Sid	θ)						
Delive	•	φ,		Test Date 4/14/201				API 181	No. 15 -20540-00	-00				
Company Rosewood	Resou	rces, Inc.	-			Lease Stefan					42-10	Well Num	ber	
County Location Sherman SENE/4			1	Section 10			TWP 9S		RNG (E/W) 40W			Acres Att 80	ributed	
Field Goodand				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.						
Completion Date 6/12/08			Plug Bad 1272'	Plug Back Total Depth 1272'				Set at		•				
Casing Size Weight 2 7/8" 6.5#			Internal Diameter 2.441		Set at 1272'		Perforations 1028'			то 1058'				
Tubing Size NONE		Weight		Internal Diameter		Set at		Perforations			То			
Type Comple Single (Co				Type Fluid DryGa:	d Production S	1		Pump Ui	nit or Traveling	Plunger?	Yes	(NO)		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrog	% Nitrogen			Gas Gravity - G <sub>g</sub> .6		
Vertical Dept	h(H)			Pressure Taps Flange							(Meter I 2"	Run) (Pro	ver) Size	
Pressure Bui	•	Shut in 4-13	2	0 11 at 1	11 at 11:20 (PM) Taken 4			-14 <sub>20</sub> 11 <sub>at</sub>			11:30 (AM) (PM)			
Well on Line:	Well on Line: Started 4-14		2	0 11 at 1	1:30	(AM)(PM)	Taken 4	-15	20	.11 at .1	12:20	(A	M)(PM)	
			T -		OBSERVE	D SURFAC		Ţ		Duration	of Shut-	in 24	Hours	
Dynamic	ynamic Size Prover Pressure		Pressure Oifferential in Inches H <sub>2</sub> 0	rential Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psla		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_e)$ psig psia			Ouration Liquid Pro- (Hours) (Barrel			
Shut-In			-			7	21.4	paig	para					
Flow						1	15.4	<u> </u>		24		0		
					FLOW STR		IBUTES					·		
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mod		Gircle one:  Meter or  Prover Pressure psia  Press Extension  ✓ P <sub>m</sub> x h		Fact	Gravity Factor F <sub>g</sub>		emperature Fa		viation Metered Flow actor R (McId)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
									11					
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO	OW) (DELIV		') CALCUI P 14.4) -		:		(P.)	² = 0.20	7	
		(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> 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>		LOG of formula 1, or 2, and divide	LOG of formula 1. or 2. and divide p2.p2		Backpressure Curve Slope = "n"		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mctd)	
Onen Flaur				05 1-			- 112					<u> </u>	]	
Open Flow	,		Mcfd @ 14.			Deliveral	•		· · · · · · · · · · · · · · · · · · ·	Mcfd @ 1				
		d authority, on						day of $\frac{J}{J}$	une WWW	ort and the	at he he		dge of	
		Witness (if a						7 -	For	Отрилу		F	RECEIV	
		For Commiss	sion						Che	cked by			JN 1 1	

exempt status und and that the foreg correct to the bes of equipment insta I hereby requ	er penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  going pressure information and statements contained on this application form are true and at 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.  The est a one-year exemption from open flow testing for the Stefan 42-10 ounds 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 mct/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: <u>6/6/12</u>	Signature: <u>Awiul</u> Glub Title: <u>Production Assistant</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.

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W2590 Stefan 42-10 South Goodland Goodland None April-11

	Casing			Н	RS	T	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN		(Maximum length 110 characters)
4/1/2011		1 1	4	11		0	
4/2/2011		1 1	4	11		0	
4/3/2011		1 14	4	11		0	
4/4/2011		1 14	4	11		0	
4/5/2011		1 1	4	11		0	
4/6/2011		1 1	4	11		0	
4/7/2011		1 1	4	11		0	
4/8/2011		1 14	4	11		0	
4/9/2011		1 1	4	11		0	
4/10/2011		1 1-	4	11		0	
4/11/2011		1 1	4	11		0	
4/12/2011		1 1	4	11		0	
4/13/2011		0 1	3	12		0	shut in for test
4/14/2011		7 I	4	0	2	24	opened up, bp
4/15/2011		1 1	4	13		0	
4/16/2011		1 1-	4	12		0	
4/17/2011		1 1-	4	12		0	
4/18/2011		1 1-	4	12		0	
4/19/2011		1 1-	4	12		0	
4/20/2011		1 1-	4	12		0	
4/21/2011		1 1-	4	12		0	
4/22/2011		1 1-	4	11		0	
4/23/2011		1 1-	4	11		0	
4/24/2011		1 1-	4	11		0	
4/25/2011		1 1-	4	11		0	
4/26/2011		1 1-	4	11		0	
4/27/2011		1 1-	4	11		0	
4/28/2011		1 1-	4	11		0	
4/29/2011		1 1-	4	11		0	
4/30/2011		1 1-	4	11		0	
5/1/2011							

Total 329

W2590 Stefan 42-10 South Goodland Goodland None May-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
5/1/2011	,	14	11	0	
5/2/2011		14	11	0	
5/3/2011		l 14	11	0	
5/4/2011		l 14	11	0	
5/5/2011		14	12	0	
5/6/2011		l 14	11	0	
5/7/2011	,	l 14	11	0	
5/8/2011		14	11	0	
5/9/2011		14	11	0	
5/10/2011		l 14	11	0	
5/11/2011		l 14	11	0	
5/12/2011	:	l 14	11	0	
5/13/2011	;	l 14	11	0	
5/14/2011	;	l 14	11	0	
5/15/2011		l 14	11	0	
5/16/2011		l 14	11	0	
5/17/2011		l 14	11	0	
5/18/2011	•	14	11	0	
5/19/2011	•	l 14	11	0	
5/20/2011	•	l 14	11	0	
5/21/2011	:	14	11	0	
5/22/2011	:	l 14	11	0	
5/23/2011		14	11	0	
5/24/2011		14	11	0	
5/25/2011	•	14	11	0	
5/26/2011		l 14	11	0	
5/27/2011	;	14	11	0	
5/28/2011	•	l 14	11	0	
5/29/2011		14	11	0	
5/30/2011		l 14	11	0	
5/31/2011		l 14	11	0	

Total 342

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W2590 Stefan 42-10 South Goodland Goodland None June-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2011		1 14	11	0	
6/2/2011		1 14	11	0	
6/3/2011		1 14	11	0	
6/4/2011		1 14	11	0	
6/5/2011		l 14	11	0	
6/6/2011		1 14	11	0	
6/7/2011		1 14	11	0	
6/8/2011		1 14	11	0	
6/9/2011		1 14	11	0	
6/10/2011		1 14	10	0	
6/11/2011		1 14	11	0	
6/12/2011		1 14	11	0	
6/13/2011		1 14	11	0	
6/14/2011		1 14	11	0	
6/15/2011		1 14	11	0	
6/16/2011		1 14	11	0	
6/17/2011		1 14	11	0	
6/18/2011		1 14	11	0	
6/19/2011		1 14	10	0	
6/20/2011		1 14	11	0	
6/21/2011		1 14	11	0	
6/22/2011		1 14	11	0	
6/23/2011		1 14	11	0	
6/24/2011		1 14	11	0	
6/25/2011		1 14	11	0	
6/26/2011		1 14	11	0	
6/27/2011		1 14	11	0	
6/28/2011		1 14	11	0	
6/29/2011		1 14	11	0	
6/30/2011		2 15	8		
7/1/2011		0 0	0		

Total 325