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

Type Test	t:			(	See Instruc	tions on Rev	erse Side	)					
Op	en Flow	MOL		Took Date				A ED	l No. 45				
De	liverabil	ty		Test Date 5/29/20					1 No. 15 1 <b>-20330</b> -00 <b>0</b>	0			
Company		ources			Lease Schwendener				Well Number 2-15				
County Location Sherman SWNW				Section TWP 15 7S				RNG (E 39W	/W)		Acres Attributed 80		
Field Goodland				Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.						
Completic 10/24/20				Plug Back Total Depth 1162'				Packer :	Set at				
Casing Size Weight 4 1/2" 10.5#			Internal D 4.052	Diameter	Set at 1172'		Perfo 965	orations t	то 994'				
Tubing Si	ize	Weig	ht	Internal Diameter Set at			Perfo	rations	То				
		(Describe) entional)		Type Flui Dry Ga	d Production	1	Pump Unit or Traveling Plunger? Yes / No Flowing						
Producing	- '	Annulus / Tubi	ng)					% Nitrog	% Nitrogen Gas Gravity - G <sub>g</sub>				
Vertical D	Depth(H)		·	Pressure Taps Flange							Run) (Prover) Size		
Pressure	Buildup	: Shut in _5-2	28	13 at 1		(AM) (PM)	Taken 5-	29	20	13 <sub>at</sub> 2:00	(AM)(PM)		
Well on L	ine:	Started 5-2	29 2	0 13 at 2	:00	(AM) (PM)	Taken 5-	30	20	13 <sub>at</sub> 2:50	(AM) (PM)		
		Circle one:		1	OBSERVE	D SURFACE				Duration of Shut-	in 24 Hours		
Static / Dynamic Property	Static / Orifice Me Dynamic Size Prover F		Differential in	Flowing Temperature t	rature Temperature Wellhead		Pressure ) or (P <sub>c</sub> )	I		Duration (Hours)	Liquid Produced (Barrels)		
Shut-in							21.4	psig	psia				
Flow				_			19.4			24	0		
	<del></del>				FLOW STR	EAM ATTRI	BUTES		<del>_</del>				
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F <sub>s</sub>	tor	Flowing emperature Factor F <sub>1</sub> ,	Fa	ation ctor ; pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	l Gravity I		
			_			<del>-</del>			6				
				(OPEN FI	OW) (DELIV	ERABILITY)	CALCIII	ATIONS			•		
(P <sub>c</sub> ) <sup>2</sup> =		.: (P <sub>w</sub> ) <sup>2</sup> :	= :	•	, .	•	14.4) +		:	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2 = \begin{pmatrix} Choose \text{ formula 1 or} \\ 1. P_c^2 - P_a^2 \\ 2. P_c^2 - P_d^2 \end{pmatrix}$		LOG of formula 1. or 2.		Backpressure Curve Slope = "n" Assigned		n x LOG		C Antilog De	Open Flow Deliverability Equals R x Antilog		
(-0)(1	· a/ -		divided by: Pc2-Pw	and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		rd Slope				(Mcfd)		
	_	-											
Open Flor	—— <u>⊢</u> w		Mcfd @ 14.	65 psia	_	Deliverabil	litv			Mcfd @ 14.65 psi	 a		
		ned authority,			states that h		thorized to		ne above repo	rt and that he ha			
the facts stated therein, and that said report is true and correct. Executed this the 26 day of November , 20 13 .									20 13				
		Witness	(if any)		<del></del> -	OMMISSIC -		XW	LUUL For C	Company (	lnes/		
		For Cam	mission	[	EC_2_6	2013 _		-	Che	cked by			
		5611							5.1.4	•			

CONSERVATION DIVISION WICHITA, KS

exempt status und and that the foreg correct to the best of equipment insta I hereby requa	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der 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 tho 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. Lest a one-year exemption from open flow testing for the Schwendener 2-15 counds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 11/26/13	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 CORPORATION COMMISSION

W422 Schwendener 2-15 North Goodland Goodland None May-13

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN	Į	(Maximum length 110 characters)
5/1/2013	5	5 18	3	6	0	
5/2/2013	4	5 18	}	6	0	
5/3/2013	5	5 18	3	6	0	
5/4/2013	4	5 18	3	6	0	
5/5/2013	4	5 18	3	6	0	
5/6/2013	4	17	7	6	0	
5/7/2013	4	12	7	6	0	
5/8/2013	4	17	7	6	0	
5/9/2013	4	17	7	6	0	
5/10/2013	4	17	7	6	0	
5/11/2013	4	17	7	6	0	
5/12/2013	4	17	7	6	0	
5/13/2013	4	17	7	6	0	
5/14/2013	4	17	7	6	0	
5/15/2013	4	17	7	6	0	
5/16/2013	4	17	7	6	0	
5/17/2013	2	17	,	6	0	
5/18/2013	4	17	,	6	0	
5/19/2013	4	17	i	6	0	
5/20/2013	4	17	,	6	0	
5/21/2013	4	17	,	6	0	bp
5/22/2013	2	17	,	6	0	
5/23/2013	4	17	,	6	0	
5/24/2013	2	17	,	6	0	
5/25/2013	4	17	,	6	0	
5/26/2013	4	17	7	6	0	
5/27/2013	4	17	7	6	0	
5/28/2013	5	5 18	3	6	0	shut in
5/29/2013	7	20	)	0	24	opened up
5/30/2013	5	18	3	6	0	
5/31/2013	5	18	}	6	0	

Total 180

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DEC 2 6 2013

W422 Schwendener 2-15 North Goodland Goodland None June-13

	Casing			HR		REMARKS
DATE	PSI	STATIC	MCF	DO	WN	(Maximum length 110 characters)
6/1/2013	5	5 1	8	6	0	
6/2/2013	4	1	8	6	0	
6/3/2013	5	5 1	8	6	0	
6/4/2013	4	5 1.	8	6	0	
6/5/2013	:	5 1.	8	6	0	
6/6/2013	5	1	8	6	0	
6/7/2013	5	1	8	6	0	
6/8/2013		5 1	8	6	0	
6/9/2013	5	5 1	8	6	0	
6/10/2013	5	5 1	8	6	0	
6/11/2013	5	1	8	6	3	
6/12/2013	4	1'	7	7	0	
6/13/2013	4	1	7	7	0	
6/14/2013	5	1	8	6	0	
6/15/2013	5	1	8	6	0	
6/16/2013	5	1:	8	6	0	
6/17/2013	5	18	8	6	0	
6/18/2013	5	1	8	6	0	
6/19/2013	5	1	8	5	0	
6/20/2013	5	18	8	5	0	
6/21/2013	5	1:	8	5	0	
6/22/2013	5	1	8	5	0	
6/23/2013	5	1	8	5	0	
6/24/2013	5	1	8	4	0	
6/25/2013	5	18	8	4	0	
6/26/2013	5	18	8	4	0	
6/27/2013	5	18	8	4	0	
6/28/2013	5	1	8	4	0	cal
6/29/2013	5	18	8	4	0	
6/30/2013	5	18	8	4	0	
7/1/2013					0	

Total 163

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