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

Type Test		~ ~		(	See Instruc	tions on Rev	erse Side	)				
Op	en Flow	8SI		T D-4				ADI	No. 45			
	liverabilt			Test Date 6/2/2019					No. 15 -20362-00 <b>0</b>	0		
Company		ources				Lease Duell				4-17	Well Nu	mber
County Sherman	n	Loca NESE	ation	Section 17		TWP 7S		RNG (E/	W)		Acres A 80	Attributed
Field Goodlan	ıd			Reservoir Niobrara					hering Conn Systems In			
Completic 9-21-200				Plug Bac 1179'	k Total Dep	hth	_	Packer S	et at			
Casing S 2 7/8"	ize	Wei		Internal E 2.441	Diameter	Set at 1189		Perfo	rations	то 1020'		
Tubing Si	ize	Wei	ght	Internal [	Diameter	Set at		Perfo	rations	То	_	
		(Describe) entional)		Type Flui Dry Ga	d Productio	n		Pump Un Flowin	it or Traveling	Plunger? Yes	7 (No)	
		Annulus / Tubi	ng)	% C	arbon Diox	ide		% Nitrog	en		ravity - (	3 <sub>0</sub>
Annulus										6		<del>_</del>
Vertical D	epth(H)					ssure Taps				(Meter 2"	Run) (P	rover) Size
1020'		6-4:- 6-	1	15 2	Flan	<del></del>						
Pressure	Buildup:	Snut III				_				15 at 3:55	(	AM((PM))
Well on L	.ine:	Started 6	2	20 15 at 3		. (AM)(PM) '	Taken 6-	<u>3                                    </u>	20	15 at 4:45		(AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut	-in_24	Hours
Static / Dynamic	Orifice Size (inches	Prover Pres	Differential	Flowing Temperature t	Well Head Temperature	Casir Wellhead F (P <sub>u</sub> ) or (P <sub>c</sub>	ressure	Wellhe	ubing ad Pressure (P,) or (P,)	Duration (Hours)		d Produced Barrels)
Property Shut-in	(inches	psig (Pn	n) Inches H <sub>2</sub> 0	<del>  ' -</del>		psig 19	psia 33.4	psig	psia		<del> -</del> -	
Flow		<del>  -</del>				<del>                                     </del>	18.4	<u>-</u>	<del>-</del>	24	0	
L					FLOW STR	BEAM ATTRI	BUTES	<u> </u>	<u> </u>			
Plate Coeffied (F <sub>b</sub> ) (F	ient p)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>tt</sub>	Fa	iation ctor	Metered Flov R (Mcfd)	w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>
_									9			
(P <sub>c</sub> ) <sup>2</sup> =	<u>_</u>	: (P <sub>w</sub> ) <sup>2</sup>	= :	(OPEN FL		/ERABILITY)	CALCUL - 14.4) +				) <sup>2</sup> = 0.2	07
(P <sub>a</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpress Slope 	sure Curve = "n" or gned rd Slope	n x l	og [	Antilog	Or Del Equals	oen Flow iverability R x Antilog (Mcfd)
Open Flo			Mcfd @ 14	L65 psia		Deliverabil	itv			Mcfd @ 14.65 ps	sia .	
										<del></del>		lodge of
	_		on behalf of the		4 F	1 11-in 11- 2			e above repo	ort and that he h		20 <u>15</u> .
AID IAULS S	igiou tilt	ziem, anu mat	odia report io (()	KC	C WIG	CHITA			nall	1 2011	util	د د
		Witnes	s (if any)	4	PR 07	2016			For 6	Company		
		For Co	nmission		RECE				Che	cked by		_

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the foregoing 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
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the
gas well on the grounds 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 mof/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date:
KCC WICH!T 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.

W400 Duell 4-17 North Goodland Goodland None June-15

	Casing			H	RS	REMARKS
DATE	PSI	STATIC	MCF	D	NWC	(Maximum length 110 characters)
6/1/2015	19	9 3	1	0	24	
6/2/2015	19	9 3	1	0	24	
6/3/2015	19	9 2	5	15	0	
6/4/2015		4 2	3	15	0	
6/5/2015		4 2	2	13	0	
6/6/2015		4 2	1	13	0	
6/7/2015	•	4 2	0	12	0	
6/8/2015	•	4 2	0	13	0	
6/9/2015	•	4 1	9	12	0	
6/10/2015		4 1	9	12	0	
6/11/2015		4 1	8	12	0	
6/12/2015		4 1	8	11	0	
6/13/2015		4 1	8	9	4	
6/14/2015		4 1	8	11	0	
6/15/2015	•	4 1	7	12	0	
6/16/2015	•	4 1	8	10	0	
6/17/2015		4 1	7	10	0	
6/18/2015	•	4 1	7	11	0	
6/19/2015		4 1	7	9	0	
6/20/2015	,	4 1	8	9	1	
6/21/2015	,	4 1	7	10	0	
6/22/2015		4 1	7	10	0	
6/23/2015		4 1	7	10	0	
6/24/2015		4 1	7	9	0	bp
6/25/2015		4 1	7	8	2	
6/26/2015		4 1	7	10	0	
6/27/2015		4 1	7	10	0	
6/28/2015		4 1	7	10	0	
6/29/2015		4 1	7	10	0	
6/30/2015		4 1	6	10	0	
7/1/2015			0	0	0	

Total 306

APR 0.7 2016
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W400

Duell 4-17

North Goodland

Goodland

None

July-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN	Į	(Maximum length 110 characters)
7/1/2014		4 1	7	8	0	
7/2/2014		4 1	7	8	0	
7/3/2014		4 1	7	9	0	
7/4/2014		4 1	7	8	0	
7/5/2014		4 1	7	8	0	
7/6/2014		5 1	8	8	0	
7/7/2014		4 1	7	9	0	
7/8/2014		4 1	7	9	0	
7/9/2014		4 1	7	9	0	
7/10/2014		4 I	7	9	0	
7/11/2014		4 1	7	9	0	
7/12/2014		4 1	7	9	0	
7/13/2014		4 1	7	8	0	
7/14/2014		5 1	8	8	0	
7/15/2014		6 1	9	6	6	
7/16/2014		6 1	9	7	0	
7/17/2014		6 1	9	6	0	
7/18/2014		6 1	9	6	0	
7/19/2014		6 1	9	7	0	
7/20/2014		7 2	20	7	0	
7/21/2014		7 2	20	7	1	
7/22/2014		6 1	9	7	0	
7/23/2014		7 2	20	5	3	
7/24/2014		7 2	20	8	0	
7/25/2014		6 1	9	8	0	
7/26/2014		6 1	9	8	0	
7/27/2014		6 1	9	9	0	
7/28/2014		6 1	9	5	9	
7/29/2014		6 1	9	9	0	
7/30/2014		6 1	9	9	0	
7/31/2014		5 1	8	9	1	

Total 242

APR 0.7 2016
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## W400 Dueii 4417

North Goodland

Goodland

None

August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014		5 1	8	9	2	
8/2/2014		5 1	8	9	0	
8/3/2014		5 1	8	9	0	
8/4/2014		5 1	8	9	0	
8/5/2014		5 1	8	9	0	
8/6/2014		5 1	8	9	0	
8/7/2014		5 1	8	9	0	
8/8/2014		5 1	.8	9	0	
8/9/2014		5 1	8	9	0	
8/10/2014		5 1	8	9	0	
8/11/2014		4 1	7	9	0	
8/12/2014		4 1	17	9	0	
8/13/2014		4 1	17	9	0	
8/14/2014		4 1	17	9	0	
8/15/2014		4 1	7	9	0	
8/16/2014		4 1	7	9	0	
8/17/2014		4 1	7	9	0	
8/18/2014		4 1	17	9	0	
8/19/2014		4 1	17	9	0	
8/20/2014		4 1	7	9	0	
8/21/2014		4 1	17	9	0	
8/22/2014		4 1	17	9	0	
8/23/2014		4	17	9	0	
8/24/2014		4 1	17	9	0	
8/25/2014		4	17	9	0	
8/26/2014		4	17	9	0	
8/27/2014		4	17	9	0	
8/28/2014		4	17	9	0	
8/29/2014		4	17	9	0	
8/30/2014		4	17	9	0	
8/31/2014		4	17	9	0	

Total

279

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