KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	AST	•		(See Instruc	ctions on Rev	rerse Side)				
	en Flow	•	_		Test Date):				No. 15			
	liverabil	ty 			6/2/201	5			181	1-20458-01 6	0		
Company Rosewo		ources, Inc	ì.				Lease Manlove)			14-13	Well Nu BH	mber
County Sherman	n		cation SW S V	/	Section 13		TWP 7S		RNG (E 39W	/W)		Acres A 80	ttributed
Field Goodlan	ıd				Reservoir Niobrara					thering Conn Systems In			
Completic 11/18/20					Plug Bac 3272'	k Total Der	oth		Packer \$	Set at		•	
Casing Size Weight			Internal E 4.000	Internal Diameter Set at 4.000 3272'			Perfo 319	orations 9'	то 3214	то 3214'			
Tubing Si	ize	We	eight		Internal E	Diameter	Set a	t	Perfo	orations	То		
Type Con Single ((Describe)			Type Flui Dry Ga	d Productions	on		Pump U	nit or Traveling	Plunger? Yes	No	
	g Thru (Annulus / Tu	ibing)	_	% C	arbon Diox	kide		% Nitrog	jen	Gas G	ravity - G	
Vertical D	Depth(H)				-	Pres Flar	ssure Taps				(Meter	Run) (Pi	over) Size
	Buildup	: Shut in _	6-1		15 at 1:	:15	(AM)((PM))	Taken_6-	2		15 at 1:25	(AM) (PM)
Well on L		Started _	6-2	20	15 at 1:	:25	(AM) (PM)	Taken <u>6-</u>	3		15 at 2:15		AM) (PM)
						OBSERVI	ED SURFACE	DATA			Duration of Shu	24 t-in	Hours
Static / Dynamic Property	Static / Orifice Meter Dynamic Size Prover Pressure Property (inches)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		(P _w) or (P ₁) or (P _c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)		1 Produced Barrels)	
Shut-In		psig (F	-11.7	IIICHOS TI _Z O		<u> </u>	37	psia 51.4	psig	psia			
Flow	,				_		5	19.4			24	0	
					, —	FLOW ST	REAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient p)	Circle one: Meter of Prover Pressu psia	re	Press Extension P _m x h	Grav Fact F _a	tor	Flowing Temperature Factor F _{II}	Fa	iation etor pv	Metered Flor R (Mcfd)	W GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m
								<u> </u>		4			
(P _c) ² =		: (P)² =	:	(OPEN FLO		VERABILITY) % (P	CALCUL 14.4) +		:) ² = 0.2	07
(P _c) ² - (I	-	(P _c) ² - (P _w) ²	Choo	ose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _c ² ed by: P _c ² - P _c ²	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Slop Ass	sure Curve e ≈ "n" or signed ard Slope	n x	LOG	Antilog	Deli Equals	en Flow verability R x Antilog (Mcfd)
						_						_	
Open Flo	w			 Mcfd @ 14.0	65 neia			ility			Mcfd @ 14.65 pt	sia.	
		ned authorit				tates that			n make ti	he above ren	ort and that he h		ledge of
							d this the 22						20 15
							CHITA		Jan	11	Mu	ting	<u>/</u>
			ess (if any	· 									
		ForC	Commissio	n	Þ	PR 07	ZUIO			Che	cked by		

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Signature: <u>Carrel Markey</u> KCC WICHITA Title: Production Assistant APR 07 2016		
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 Manlove 14-13H gas well on the grounds that said well: (Check one) 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 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. Signature: Signature: Production Assistant APR 0 7 2016		
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Signature: Date: 12/22/15 Signature: Date: Production Assistant APR 07 2016		
Signature: <u>Carrel Markey</u> KCC WICHITA Title: Production Assistant APR 07 2016	_	
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KCC WICHITA Title: Production Assistant APR 0 7 2016	Date: 12/22/15	
KCC WICHITA Title: Production Assistant APR 0 7 2016		
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KCC WICHITA Title: Production Assistant APR 0 7 2016		
KCC WICHITA Title: Production Assistant APR 0 7 2016		Signature: Canul Mailey
APR 0.7 2016		KCC WICHITA Title: Production Assistant
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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.

W2323 Manlove 14-13H North Goodland Goodland None June-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2015	37	49	0	24	
6/2/2015	37	49	0	24	
6/3/2015	16	29	4	0	
6/4/2015	11	24	4	0	
6/5/2015	10	23	4	0	
6/6/2015	9	22	4	0	
6/7/2015	9	21	4	0	
6/8/2015	8	20	4	0	
6/9/2015	8	20	4	0	
6/10/2015	7	20	4	0	
6/11/2015	7	19	4	0	
6/12/2015	7	19	4	0	
6/13/2015	7	20	4	4	
6/14/2015	7	19	4	0	
6/15/2015	7	18	4	0	
6/16/2015	5	18	4	0	
6/17/2015	5	18	4	0	
6/18/2015	5	18	5	0	
6/19/2015	5	18	4	0	
6/20/2015	5	19	4	1	
6/21/2015	5	18	4	0	
6/22/2015	5	18	4	0	
6/23/2015	5	18	5	0	
6/24/2015	5	18	4	0	
6/25/2015	5	19	4	2	
6/26/2015	5	18	5	0	
6/27/2015	5	17	5	0	
6/28/2015	5	17	5	0	
6/29/2015	5	17	5	0	
6/30/2015	5	17	5	0	
7/1/2015		0	0	0	

Total 119

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W2323

North Goodland

Goodland

None

July-14

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

Total 124

KCC WICHITA APR 0.7 2016 RECEIVED W2323

Manloye 14-13H

North Goodland

Goodland

None

August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIO	C MCF	DOWN		(Maximum length 110 characters)
8/1/2014		6	19	4	2	
8/2/2014		6	19	4	0	•
8/3/2014		6	19	4	0	
8/4/2014		6	19	4	0	
8/5/2014		6	19	4	0	
8/6/2014		6	19	4	0	
8/7/2014		6	19	4	0	
8/8/2014		6	1.9	4	0	
8/9/2014		6	19	4	0	
8/10/2014		6	19	4	0	
8/11/2014		5	18	5	0	
8/12/2014		5	18	5	0	
8/13/2014		5	18	5	0	
8/14/2014		5	18	5	0	
8/15/2014		5	18	5	0	
8/16/2014		5	18	5	0	
8/17/2014		5	18	5	0	
8/18/2014		5	18	5	0	
8/19/2014		5	18	5	0	
8/20/2014		5	18	5	0	
8/21/2014		5	18	5	0	
8/22/2014		5	18	5	0	
8/23/2014		5	18	5	0	
8/24/2014		5	18	5	0	
8/25/2014		5	18	5	0	
8/26/2014		5	18	5	0	
8/27/2014		5	18	5	0	
8/28/2014		5	18	5	0	
8/29/2014		5	18	5	0	
8/30/2014		5	18	5	0	
8/31/2014		5	18	5	0	

Total 145

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