KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= .	: en Flov liverabi	•	ASI			Test Date 6/20/20	ə:	truct.	ions on Re	everse Sia	AF	PI No. 15 3 1-20360- 00 〔	ıΩ			
Company		sou	rces			0/20/20			Lease Homes	tead				1-9	Well N	umber
County Location Sherman NENW					Section 9			TWP R			RNG (E/W) 39W			Acres 80	Attributed	
Field Goodland					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.					_		
Completic 9/29/200		е				Plug Bac 1211'	k Total E	Dept	h	Packer Set at						
Casing Size Weight 2 7/8" 6.5#					Internal Diameter 2.441			Set at 1223'		Perforations 1028'		To 1056'		'		
Tubing Si	ize		Weig	ht		Internal [Internal Diameter Set at Perforations							То		
Type Con Single (Type Fluid Production Dry Gas				Pump t Flowi	Jnit or Traveling	er? Yes	/ (No)	
Producing Annulus		(Anr	nulus / Tubi	ng)		% C	% Carbon Dioxide				% Nitrogen Ga				ravity -	G _g
Vertical D 1056'	epth(H)				Pressure Taps Flange								(Meter 2"	Run) (F	Prover) Size
Pressure	Buildup		Snut in	19									0 13 at 4:25			(AMQ(PM))
Well on L	ine:		Started 6-	20	2	0 13 at 4	:25	_	(AM) (PM)	Taken 6	-21	20	13 a	t_5:15		(AM)(PM)
							OBSE	RVE	SURFAC				Duratio	on of Shut	-in 24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	rential Temperature Tempe		t (P _w) or (P ₁) or		Pressure	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)			uid Produced (Barrels)
Shut-In									9	23.4						
Flow	_	_					<u> </u>		5	19.4			24		0	
·							FLOW 9	STR	EAM ATTR	RIBUTES						T
Plate Coefficcient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psìa		Press Extension P _m xh	extension Factor		or Temperature		· F	viation actor F _{pv}	Metered Flow R (Mcfd)		(Cubic Feet/		Flowing Fluid Gravity G _m	
												8				
/D \2			(D.)2			(OPEN FLO	OW) (DE			-				(Pa (Pd) ² = 0.3	207
$\frac{(P_c)^2 = {(P_c)^2 - (P_a)^2}}{\text{or}}$ $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_d)^2}$		(P _c) ² - (P _w) ² 1. P _c 2. P _c		ose formula 1 or 2 1. P _o ² - P _a ² 2. P _o ² - P _d ² ded by: P _o ² - P _w ²	LOG of formula 1. or 2. and divide p2_p2		1	% (P _a - 14.4) + 1 Backpressure Curve Slope = "n" or Assigned Standard Slope		e n x	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
	_					-									+	
Open Flow	 v				Mcfd @ 14.	 65 psia			Deliverat	oility			Mcfd @	14.65 ps	ia	
The u	ındersiç	gned	l authority, o	on b	ehalf of the	Company, s	tates tha	at he	e is duly au	uthorized	to make t	the above repo	rt and	that he h	as knov	vledge of
the facts st	ated th	erei	n, and that s	aid	report is true	and correct	t. Execu	ted	this the 2	6	day of _	November				20 13
			Witness	(if any	y)			_	-		M	MNL	Company	M	ut	use/
			For Com	missio	on			_	_			Che	cked by		KCC	O WICHI

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	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Homestead 1-9
	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
l fu	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
taff as	necessary to corroborate this claim for exemption from testing.
)ate: _1	1/26/13
	Daniel Morton
	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.

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W406 Homestead 1-9 North Goodland Goodland None June-13

	Casing			HRS	İ	REMARKS
DATE	PSI	STATIC	MCF	DOW	N _	(Maximum length 110 characters)
6/1/2013		5 1	8	8	0	
6/2/2013		5 1	8	8	0	
6/3/2013		5 1	8	8	0	
6/4/2013		5 1	8	8	0	
6/5/2013		5 1	8	8	0	
6/6/2013		5 1	8	8	0	
6/7/2013		5 1	8	8	0	
6/8/2013		5 1	8	8	0	
6/9/2013		5 1	8	8	0	
6/10/2013		5 1	8	8	0	
6/11/2013		5 1	8	8	0	
6/12/2013		5 1	8	. 9	0	
6/13/2013		5 1	8	9	0	
6/14/2013		5 1	8	8	0	
6/15/2013		5 1	8	8	0	
6/16/2013		5 1	8	8	0	
6/17/2013		5 1	8	8	0	
6/18/2013		5 1	8	8	0	
6/19/2013		5 1	8	8	0	shut in
6/20/2013		9 2	2	0	24	opened up
6/21/2013		5 1	8	8	0	
6/22/2013		5 1	8	8	0	
6/23/2013		5 1	8	8	0	
6/24/2013		5 1	8	8	0	
6/25/2013		5 1	8	8	0	
6/26/2013		5 1	8	8	0	
6/27/2013		5 1	8	8	0	cal
6/28/2013		5 1	8	8	0	
6/29/2013		5 1	8	8	0	
6/30/2013	:	5 1	8	8	0	
7/1/2013					0	

Total 234

W406 Homestead 1-9 North Goodland Goodland None July-13

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	Casing			HF		REMARKS
DATE	PSI	STATIC	MCF	DC	OWN	(Maximum length 110 characters)
7/1/2013		5	18	8	0	
7/2/2013		5	18	8	0	
7/3/2013		5	18	8	0	
7/4/2013		5	18	8	0	
7/5/2013		5	18	8	0	
7/6/2013		5	18	8	0	
7/7/2013		5	18	8	0	
7/8/2013		5	18	8	0	
7/9/2013		5	18	8	0	
7/10/2013		5	18	8	0	
7/11/2013		5	18	8	0	
7/12/2013		5	18	8	0	
7/13/2013		5	18	8	0	
7/14/2013		5	18	8	0	
7/15/2013		5	18	8	0	
7/16/2013		5	18	8	6.5	
7/17/2013		6	19	6	0	
7/18/2013		5	18	8	0	
7/19/2013		5	18	8	0	
7/20/2013		5	18	8	0	
7/21/2013		5	18	8	0	
7/22/2013		5	18	8	0	
7/23/2013		6	19	8	0	
7/24/2013		6	19	8	0	
7/25/2013		6	19	8	0	
7/26/2013		6	19	8	0	
7/27/2013		6	19	8	0	
7/28/2013		6	19	8	0	
7/29/2013		6	19	8	0	•
7/30/2013		6	19	8	0	
7/31/2013		6	19	8	0	

Total 246