Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes			X/ST_				(S	ee Instruc	tions on R	ever	rse Side,)						
= .	oen Flo eliverat	,				Test [5/29/		3					No. 15	00				
Company		sour	ces						Lease Ihrig						1-	ν ·15	Vell Nu	mber
County Sherma			Loca			Section 15	n		TWP 7S			RNG (E.	W)				cres A	ttributed
Field Goodlan	nd			-		Reser					_	Gas Gat	hering Cor Systems I		on			
Completion 10/29/20		е					Back	Total Dep	th			Packer 8				_		
Casing S 4 1/2"			Weig				al Dia	ameter	Set 120			Perfo	rations 6'		To)39'	-	
Tubing S	ize		Wei			Intern		Set at			Perforations				То			
Type Cor Single (Type Dry		Productio	n			Pump Ut	nit or Traveli	ng Plu	inger?	Yes /	(No)	
	g Thru		ulus / Tubi	ng)				rbon Dioxi	ide			% Nitrog	<u> </u>		Ga .6		vity - C	i ₉
Vertical E		1)							sure Taps			-			(M	eter R	un) (Pı	over) Size
1039' Pressure	Buildu	n: S	Shut in 5-	28		₂₀ 13 _{at}	2:0	Flan 0	ge (AM) (PM) Ta	- sken 5-2	 29		n 13	2' 3 at 2:1			AM) (PM)
Well on L			Started 5-	29		20 <u>13</u> at		0	(AM) (PM) Ta	_{iken} <u>5</u> -3	30			3:0		·	AM) (PM)
									D SURFAC					Dui	ation of	Shut-ir	24	——— ——Hours
Static / Dynamic Property	Dynamic Size		e Meter Different			Temperature Tempera		Well Head emperature t	Mellhead Pressure			Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		,	psig (Pm)	Inches H ₂ 0	+ -	+		psig 8	2:	psia 2.4	psig	psia	}-	·- <u>-</u> -			
Flow									5	19	9.4			24	1		0	
							F	LOW STR	REAM ATT	RIBU	UTES							
Plate Coeffiec (F _b) (F Mcfd	ient p)		Circle one: Meter or ver Pressure psia		Press Extension ✓ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F _{tt}		Devia Fac F _r	tor	Metered Fl R (Mcfd)	ow	(Cul	GOR bic Feel arrel)	t/	Flowing Fluid Gravity G _m
											_		7					
(P _c) ² =			(P _w)²	_		•	FLOV	• •	'ERABILIT' % (14.4) +					(P _a) ² :	= 0.20 =	07
(P _o) ² - (F		(P,)²- (P _w)²	Choo 1	ise formula 1 or 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ and by: $P_c^2 - P_d^2$	LOG formu 1. or and dis	of la 2.	D ₂ -P _w	Backpr Sle	essu: ope = or- ssigr	re Curve = "n"	n x l	LOG [Antilog		Op Deli Equals	en Flow verability R x Antilog Mcfd)
Open Flov	w				Mcfd @ 14	.65 psia	•		Delivera	bility	<u>'</u>			Mcf	d @ 14.6	5 psia		
The L	undersi	gned	authority,	on be	ehalf of the	Compan	y, sta	tes that h	e is duly a	utho	orized to	make th	e above rep	ort a	nd that h	ne has	knowl	edge of
the facts st	tated th	ereir	, and that	said r	eport is tru		F	SECEIVED			d	lay of <u>N</u>	ovember		.00		15,2	20 13
			Witness	(if any)			2 6	COMMISSIC 2013			an	MUL FO	r Compa	// V (C	W	Un	oy
			For Com	missior	n								Ch	ecked b	ру			
						С		RVATION I WICHITA, K										

exempt status und and that the fore- correct to the best of equipment inst I hereby requi	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 t 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. est a one-year exemption from open flow testing for the

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 formation composition signed and dated on the front side as though it was a verified report of annual test results.

KANSAS CORPORATION COMMISSION

W407 Ihrig 1-15 North Goodland Goodland None May-13

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

Total 192

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W407 Ihrig 1-15 North Goodland Goodland None June-13

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

Total 190

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