KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

type test:	Cl	. 6	85I			(*	see msnuc	aions on hei	reise side	"					
Open Flow Test Date: 5/25/2012						API No. 15 15-181-20418-00 00									
Company Rosewoo		sour	ces			3/23/20	12.	Lease G. Ihrig	<u></u>	- 10-	101-20416		v 24-16	Vell Nu	ımber
County Location					Section	TWP			RNG (E/W)				Attributed		
Sherman SESW Field Goodland				16 Reservoir Niobrara			7S 39W Gas Gathering Conn Branch Systems In		ection RE		RECEI				
				Plug Back Total Depth				Packer Set at					JAN 03		
Casing Size Weight 2 7/8" 6.5#			Internal Diameter 2.441				Set at 1183.69'		rations 1'		1008, KCC N		CC WIC		
Tubing Size Weight			Internal Diameter				Set at		Perforations		То	•	112 *•		
Type Con Single (Type Fluid Production Dry Gas				Pump Unit or Traveling Plunger? Yes / No Flowing					· · · · · · · · · · · · · · · · · · ·
Producing	Thru	(Ann	ulus / Tubi	ng)		% C	arbon Diox	cide		% Nitrog	jen		Gas Gra	avity - (G _g
Annulus Vertical Depth(H)							Pressure Taps Flange				.6 (Me 2"			eter Run) (Prover) Size	
1200'	.		5	24	<u>~</u>	. 12 <u>.</u> 1:		. (AM) (PM)	Takan 5-	-25		12 _{at}			(AM)(PM)
Pressure		•	snut in					. (AM) (PM) . (AM) (PM)			20				
Well on L	ine:	5	Started 5-3	2.5	20) <u> </u>		(AM) (PM)	Taken	-20	20	at			(AM)(PM))
							OBSERV	ED SURFAC	E DATA			Duration	of Shut-i	_{n_} 24	Hours
Dynamic Siz		ifice Circle one: Meter Prover Pressure psig (Pm)			Pressure Flowing		Well Head Casing Wellhead Pressure		-	Tubing Wellhead Pressure		Dura			id Produced
				i i	in Temperature Temperatu			(P _w) or (P ₁) or (P _c)		(P _w) or (P _t) or (P _c)		(Hours)		(Barrels)
Shut-In			, , ,	, , , , ,	2-			9	23.4	psig	рзіц				
Flow								5	19.4			24		0	
							FLOW ST	REAM ATTR	IBUTES			1		1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Exte	ess nsion P _m x h	sion Factor		Temperature F:		riviation Metered Flow Factor R F_pv (Mcfd)			y GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
											11				
						(OPEN FL	OW) (DELI	VERABILITY) CALCUI	LATIONS	<u> </u>	•	(P.)°	2 = 0.2	207
P _c) ² =		:	(P _w)²	=	:	P _d =		_% (F	್ಡ - 14.4) +	14.4 =	<u> </u>		(P _a) ²		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		1. P _c 2. P _c	1. P _c ² - P _a ² 2. P _c ² - P _d ² 2. P _c ² - P _d ² vided by: P _c ² - P _w ² by:		Backpressure Cun Slope = "n"		pe = "n" - or signed	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
											1 10100 100				
Open Flo	W			Mcfo	@ 14.	65 psia		Deliverat	oility			Mcfd @ 1	4.65 psi	a	
The	unders	igned	authority,	on behalf	of the	Company, s	states that	· .			he above rep	ort and the	at he ha		
he facts s	tated t	hereir	n, and that	said repo	t is true	and correc	t. Execute	d this the 2	0	day of	December	, ,			20 12
									(eran	U 6	X AC	(H	\mathcal{O}
			Witness	s (if any)				-			For	Company			
			For Cor	nmission				-			Che	ecked by			

JAN 0 3 2013

KCC WICHITA

r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.
st a one-year exemption from open flow testing for the G. Ihrig 24-16
unds that said well:
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
is not capable of producing at a daily rate in excess of 200 mond
to supply to the best of my ability any and all supporting documents deemed by Commissio to corroborate this claim for exemption from testing.

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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W2164 G. Ihrig 24-16 North Goodland Goodland None May-12

	Casing			HRS	1	REMARKS
DATE	PSI	STATIC	MCF	DOWN	Ī	(Maximum length 110 characters)
5/1/2012		5 1	.8	11	0	
5/2/2012		5 1	.8	11	0	
5/3/2012		5 1	8	13	0	
5/4/2012		5 1	.8	11	0	
5/5/2012		5 1	8	11	0	
5/6/2012		5 1	8	11	0	
5/7/2012		5 1	8	11	0	
5/8/2012		5 1	8	11	0	
5/9/2012		5 1	.8	11	0	
5/10/2012		5 1	.8	11	0	
5/11/2012		5 1	.8	11	0	
5/12/2012		5 1	.8	11	0	
5/13/2012		5 1	.8	11	0	
5/14/2012		5 1	.8	11	0	
5/15/2012		5 1	.8	11	0	
5/16/2012		5 1	.8	11	0	
5/17/2012		5 1	.8	11	0	
5/18/2012		5 1	.8	11	0	
5/19/2012		5 1	.8	11	0	
5/20/2012		5 1	.8	12	0	
5/21/2012		5 1	8	11	0	
5/22/2012		5 1	.8	11	0	
5/23/2012		5 1	.8	11	0	
5/24/2012			.8	12	0	shut in for state
5/25/2012	•	7 1	.8	0	24	opened up
5/26/2012		5 1	.8	16	0	
5/27/2012		5 1	.8	13	0	
5/28/2012		5 1	.8	11	2	
5/29/2012		5 1	.8	10	2.5	
5/30/2012		5 1	.8	12	0	
5/31/2012		5 1	.8	13	0	

Total

RECEIVED

JAN 0 3 2013

KCC WICHITA

W2164
G. Ihrig 24-16
North Goodland
Goodland
None
June-12

	Casing			HI	RS	REMARKS		
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)		
6/1/2012		5 1	8	12	0			
6/2/2012		5 1	8	12	0			
6/3/2012		5 1	8	11	0			
6/4/2012		5 1	8	11	0			
6/5/2012		5 1	8	11	0			
6/6/2012		5 1	8	11	0			
6/7/2012		5 1	8	11	0			
6/8/2012		5 1	8	11	0			
6/9/2012		5 1	8	11	0			
6/10/2012		9 2	22	6	20			
6/11/2012		9 2	22	6	14			
6/12/2012		9 2	22	6	7			
6/13/2012		9 2	22	6	3			
6/14/2012		9 2	22	6	1			
6/15/2012		8 2	21	8	2.5			
6/16/2012		6 1	19	13	0			
6/17/2012		6 1	19	13	0			
6/18/2012		6 1	19	13	0			
6/19/2012		6	19	13	2			
6/20/2012		6	19	13	2			
6/21/2012		6	19	13	0			
6/22/2012		5 1	18	12	0			
6/23/2012		5 1	18	11	0			
6/24/2012		5 1	18	11	0			
6/25/2012		5	18	11	0			
6/26/2012		5	18	11	0			
6/27/2012		5	18	11	0			
6/28/2012		5	18	11	0			
6/29/2012		5	18	11	0			
6/30/2012		5	18	11	0			
7/1/2012					0			

W2164 G. Ihrig 24-16 North Goodland Goodland None July-12 JAN 0 3 2013 KCC WICHITA

	Casing			HR	ts.	REMARKS	
DATE	PSI	STATIC	MCF	DC	WN	(Maximum length 110 characters)	
7/1/2012		6	19	11	0		
7/2/2012		6	19	11	0		
7/3/2012		6	19	11	2		
7/4/2012		6	19	11	0		
7/5/2012		6	19	11	7		
7/6/2012		6	19	11	1.5		
7/7/2012		6	19	11	0		
7/8/2012		6	19	11	0		
7/9/2012		5	18	11	0		
7/10/2012	ı	5	18	11	0		
7/11/2012		5	18	11	0		
7/12/2012		5	18	11	0		
7/13/2012	ı	5	18	11	0		
7/14/2012	i	5	18	11	0		
7/15/2012		5	18	11	0		
7/16/2012		5	18	11	0		
7/17/2012		5	18	11	0		
7/18/2012		5	18	11	0		
7/19/2012		5	18	11	0		
7/20/2012		5	18	11	0		
7/21/2012		5	18	11	0		
7/22/2012		5	18	11	0		
7/23/2012		5	18	11	0		
7/24/2012		5	18	12	0		
7/25/2012		5	18	12	0		
7/26/2012		5	18	12	0		
7/27/2012		5	18	12	0		
7/28/2012		5	18	12	0		
7/29/2012		5	18	12	0		
7/30/2012		5	18	12	0		
7/31/2012		5	18	12	0		

Total