KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flov liverabi	•	MSI		Test Date 9/27/11		tions on Re	verse Side	AP	No. 15 181-20420	-00 ~ © 4	0			
Company		sou	rces	<u> </u>	3/2//11		Lease G. Ihrig			101-20-20	00 -		Vell Num	ber	
County Location Sherman NWSW					Section TWP 15 7S			<u>-</u>	RNG (E/W) 39W				Acres Attributed		
Field Goodland				<u>-</u> -	Reservoir Niobrara			, <u></u>	Gas Gathering Connection Branch Systems Inc.						
Completion Date 3/25/2006					Plug Back Total Depth 1117'			Packer Set at				-			
Casing Size Weight 2 7/8" 6.5#			t	Internal I 2.441	Diameter		Set at 1117'		Perforations 928'		To 958'		•		
Tubing Si	ize	-	Weigh	t	Internal (Set	Set at Perforat			ations To			- , .		
Type Con Single (Type Flui Dry Ga	id Production	n n		Pump U Flowir	nit or Travellr	g Plunger	? Yes	/(10)		
Producing Annulus	•	(Anı	nulus / Tubing	3)	% Carbon Dioxide				% Nitrogen Gr			Gas Gra	ias Gravity - G _g		
Vertical C	epth(H	}			Pressure Taps (Meter Run) (Prover) S Flange 2"							/er) Size			
Pressure	Buildur			6 2		:30	(AM) (MA)			2			(A	v)(PM)	
Well on L	ine:	:	Started 9-2	72	11 at 1	:45	(AM) (PM)) Taken <u>9</u>	-28	2	0 <u>11</u> at.	2:30	(Al	M)(PM)	
			-	T = -	1	OBSERVE	ED SURFAC		1		Duration	n of Shut-l		Hours	
Static / Dynamic Property	Orific Size (inche	•	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential ire in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature	Wellhead	Pressure or (Pe) psia	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							7	21.4	psig	<u>psia</u>					
Flow							6	20.4			24		0		
	1					FLOW STI	REAM ATTR	IBUTES		<u> </u>					
Plate Coefficient (F _b) (F _p) McId Circle one: Meter or Prover Pressure psia		Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor F _{st}	F	viation actor F _p ,	Metered Fl R (Mcfd)	DW	GOR (Cubic Fee Barrel)	91/	Flowing Fluid Gravity G			
										11					
(P _e) ² =	<u></u>	_;	(P_)² =	:	(OPEN FL		/ERABILITY % (!	') CALCUI P _e - 14.4) -		:		(P _a) ² (P _d) ²	= 0.207	,	
(P _e) ² - (I or (P _e) ² - (I	P_)*	(F	' _*)*- (P _w)*	Choose formula 1 or 2 1. P ² · P ² 2. P ² · P ² divided by: P ² · P	LOG of formula 1. or 2. and divide		Backpre Slo As	essure Curve pe = "n" - or ssigned tard Slope	e n x	roa [An	tilog	Oper Delive Equals F	Flow trability x Antilog .	
				under by. Ta Ta	, 3,		Gaza								
Open Flo	w			Mcfd @ 14	.65 psia		Deliverat	oility			Mcfd @	14.65 psla	a		
				n behalf of the	· -		-			he above rep December	oort and th	nat he ha		dge of	
			Wilness (i				•	_	70	nul	r Company	ZU	ul)	
			,				_			F0	- Company		KE(CEIVE	
			For Comm	skesion			•			Ch	ecked by		APR	242	

exempt status un and that the fore correct to the be of equipment ins	der penalty of perjury under the laws of the state of Kansas that I am authorized to request or notice Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. Regoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. Less a one-year exemption from open flow testing for the G. Ihrig 13-15
	grounds that said well:
l further agr	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 ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessa	try to corroborate this claim for exemption from testing.
Date: 12/28/11	
	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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W2054

G Ihrig 13-15

North Goodland
Goodland
None

September-11

	Casing			HR	us 💮	REMARKS
DATE	PSI	STATIC	MCF	DC)WN	(Maximum length 110 characters)
9/1/2011		8	21	8	0	
9/2/2011		8	21	3	12	
9/3/2011		9	22	9	0	
9/4/2011		8	21	10	0	
9/5/2011		8	21	10	0	
9/6/2011		8	21	11	0	
9/7/2011		7	20	12	0	
9/8/2011		6	19	17	0	
9/9/2011		6	19	10	0	
9/10/2011		7	20	11	0	
9/11/2011		7	20	11	0	
9/12/2011		6	19	11	0	
9/13/2011		6	19	11	0	
9/14/2011		6	19	11	0	
9/15/2011		6	19	11	0	
9/16/2011		6	19	11	0	
9/17/2011		6	19	11	0	
9/18/2011		6	19	11	0	
9/19/2011		6	19	10	0	cal
9/20/2011		6	19	8	0	
9/21/2011		6	19	12	0	
9/22/2011		6	19	8	2	
9/23/2011		7	20	8	2.5	
9/24/2011		7	20	5	15	
9/25/2011		8	21	8	0	
9/26/2011		7	20	10	0	shut in for test
9/27/2011		7	20	0	24	opened up
9/28/2011		7	20	14	0	
9/29/2011		7	20	11	0	
9/30/2011		7	20	11	2.5	
10/1/2011		0	0	0	0	

Total 294

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KCC WICHITA

W2054
GSIhrig 13-15(*)
North Goodland
Goodland
None
October-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2011		6	19	13	0	
10/2/2011		6	19	13	0	
10/3/2011		6	19	12	0	
10/4/2011		6	19	11	0	
10/5/2011		6	19	11	0	
10/6/2011		6	19	11	0	
10/7/2011		6	19	11	0	
10/8/2011		6	19	11	0	
10/9/2011		5	18	12	0	
10/10/2011		5	18	11	0	
10/11/2011		5	18	11	0	
10/12/2011		5	18	11	0	
10/13/2011		5	18	11	0	
10/14/2011		5	18	11	0	
10/15/2011		5	18	11	0	
10/16/2011		5	18	11	0	
10/17/2011		5	18	11	0	
10/18/2011		5	18	11	0	
10/19/2011		5	18	11	0	
10/20/2011		5	18	12	0	
10/21/2011		5	18	9	2	
10/22/2011		5	18	10	0	
10/23/2011		5	18	10	0	
10/24/2011		5	18	10	0	
10/25/2011		6	19	5	2	
10/26/2011		6	19	11	0	
10/27/2011		5	18	11	0	
10/28/2011		5	18	10	0	
10/29/2011		5	18	11	0	
10/30/2011		5	18	10	0	
10/31/2011		5	18	10	0	

Total 334

W2054

Gulhrig: 13-157-a

North Goodland

Goodland

None

November-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2011	[5	18	10	0	
11/2/2011		5	18	10	0	
11/3/2011		5	18	10	0	
11/4/2011	l	5	18	11	0	
11/5/2011		5	18	10	0	
11/6/2011	1	5	18	10	0	
11/7/2011	l	5	18	10	0	
11/8/2011	1	5	18	10	0	bр
11/9/2011	l	5	18	10	0	•
11/10/201	1	5	18	10	0	
11/11/201	1	5	18	10	0	
11/12/201	1	5	18	10	0	
11/13/201	1	5	18	10	0	
11/14/201	1	5	18	10	0	
11/15/201	1	5	18	10	0	
11/16/201	1	5	18	10	0	
11/17/201	1	5	18	11	0	
11/18/201	1	5	18	9	0	
11/19/201	1	6	19	8	0	
11/20/201	1	6	19	9	0	
11/21/201	1	6	19	10	0	
11/22/201	1	5	18	10	0	
11/23/201	1	5	18	10	0	
11/24/201	1	5	18	10	0	
11/25/201	1	5	18	10	0	
11/26/201	1	5	18	10	0	
11/27/201	1	5	18	10	0	
11/28/201	1	5	18	11	0	
11/29/201	1	5	18	10	0	
11/30/201	1	5	18	10	0	
12/1/2013	1	0	0	0	0	

Total 299

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