KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	CKT		(See Instruc	ctions on Re	verse Side	9)					
Open Flow			Test Date: AP					l No. 15					
Deliverabilty					6/13/2013 181-205)0			
Company Rosewo		ources, Inc.			Lease Ihrig, G				Well Number 32-20				
County Location Sherman SWNE			Section 20				RNG (E/W) 39W			Acres Attributed 80			
Field Goodland				Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.						
Completion 8/24/201			Plug Back Total Depth 1211'				Packer	Set at					
Casing S 4 1/2"	Casing Size Weight 4 1/2" 10.5#			Internal I 4.000	Diameter		Set at 1211'		orations 6'	то 1088'			
Tubing S NONE	ize	Weigh	t	Internal [Internal Diameter Set at			Perfo	orations	То	_		
Type Completion (Describe) Single (VERTICLE)				Type Fluid Production Dry Gas			Pump U	nit or Traveling	Plunger? Yes	No			
Producing Thru (Annulus / Tubing) Annulus			% C	% Carbon Dioxide				gen	Gas Gr	Gas Gravity - G _g			
Vertical Depth(H) 1240'				Pressure Taps Flange							Run) (Prover) Size		
Pressure	Buildup:	Shut in 6-1	2 2	0 13 at 3		-	PM) Taken 6-13			13 _{at} 3:10	(AM) (PM)		
			13 at 3:10 (AM)(PM) Taken			Taken 6-	14	20	13 at 4:00	(AM) (PM)			
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours		
Static / Dynamic Property	Dynamic Size Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Wellhe	Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			mones 11 ₂ 0			psig 40	psia 54.4	psig	psia				
Flow	-low				28	42.4			24	0			
					FLOW STF	REAM ATTE	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac F _s	tor	Flowing Temperature Factor F _{ft}	Fa	iation ctor : pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m		
						96							
	• • • • • • • • • • • • • • • • • • • •			(OPEN FL	OW) (DELIV	'ERABILITY) CALCUL	ATIONS		(P.)	2 = 0.207		
(P _c) ² =	:	(P _w) ² =	:	P _d =		% (I	- 	14.4 =	:	(F _a) ²			
$(P_c)^2 - (P_a)^2$ (I)		(P _o) ² - (P _w) ²	2. P.2-P.2		LOG of formula 1, or 2, and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flor	NA/		Mcfd @ 14.0	35 peia		Deliverat	sility			Mcfd @ 14.65 psi	2		
		ad authority -			totoo ili l-		•						
			i benair of the aid report is true						ovember	rt and that he ha	s knowledge of ₂₀ 13		
		Witness (i			RECEIVE					company (U	tury		
		For Comm	ission		nec 2	3 2013 ⁻	*		Chec	cked by			

CONSERVATION DIVISION WICHITA, KS

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	egoing pressure information and statements contained on this application form are true and
correct to the be	st of my knowledge and belief based upon available production summaries and lease records
of equipment ins	stallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby req	uest a one-year exemption from open flow testing for the
	grounds that said well:
(Ched	ck 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
-	ee to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
Date: 11/26/13	
	Signature: Janul Matiny
	Title: Production Assistant

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.

RECEIVED

KANSAS CORPORATION COMMISSION

W2727

WELL ID

Ihrig 32-20

LEASE NAME

North Goodland FIELD

Goodland

AREA

None

EQUIPMENT

June-13

DATE

FloBoss

	Line	Casing			HR		REMARKS
DATE	PSI	PSI	ST	ATIC MCF	DC)WN	(Maximum length 110 characters)
6/1/2013		5	27	40	93	0	
6/2/2013		5	27	40	93	0	
6/3/2013		5	27	40	93	0	•
6/4/2013		5	27	40	93	0	
6/5/2013		5	27	40	93	0	
6/6/2013		5	27	40	94	0	
6/7/2013		5	27	40	94	0	
6/8/2013		5	27	40	94	0	
6/9/2013		5	27	40	94	0	•
6/10/2013		5	27	40	94	0	
6/11/2013		5	27	40	94	0	
6/12/2013		5	27	40	92	0	shut in
6/13/2013		15	40	53	0	24	opened up
6/14/2013		5	29	42	77	0	
6/15/2013		5	28	41	96	0	
6/16/2013		5	28	41	96	0	
6/17/2013		5	28	41	96	0	
6/18/2013		5	28	41	95	0	
6/19/2013		5	28	41	95	0	
6/20/2013	ı	5	28	41	95	0	
6/21/2013		5	28	41	95	0	
6/22/2013		5	28	41	95	0	•
6/23/2013		5	28	41	94	0	
6/24/2013		5	28	41	94	0	
6/25/2013		5	28	41	95	0	
6/26/2013		5	28	41	95	0	
6/27/2013		5	28	41	95	0	
6/28/2013		5	28	41	95	0	
6/29/2013		5	28	41	95	0	
6/30/2013		5	28	41	95	0	
7/1/2013						0	

Total 2719

RECEIVED KANSAS CORPORATION COMMISSION

W2727

WELL ID

Ihrig 32-20

LEASE NAME

North Goodland FIELD

Goodland

AREA

None

EQUIPMENT

July-13

DATE

FloBoss

	Line	Casing	-			HRS	REMARKS
DATE	PSI	PSI		STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2013		5	28	41	96	0	
7/2/2013		5	28	41	96	0	
7/3/2013		5	28	41	96	0	
7/4/2013		5	28	41	96	0	
7/5/2013		5	28	41	96	0	
7/6/2013		5	28	41	96	0	
7/7/2013		5	29	42	97	0	
7/8/2013		5	29	42	97	0	
7/9/2013		5	29	42	97	0	
7/10/2013		5	29	42	97	0	
7/11/2013		5	29	42	98	0	
7/12/2013		5	29	42	97	0	
7/13/2013		5	29	42	97	0	
7/14/2013		5	29	42	97	0	
7/15/2013		5 .	29	42	97	0	
7/16/2013		5	32	45	94	6.5	
7/17/2013		5	29	42	93	0	
7/18/2013		5	29	42	97	0	
7/19/2013		5	29	42	97	0	
7/20/2013		5	29	42	97	0	
7/21/2013		5	29	42	97	0	
7/22/2013		5	29	42	97	0	
7/23/2013		5	29	42	97	0	
7/24/2013		5	29	42	96	0	
7/25/2013		5	29	42	96	0	
7/26/2013		5	29	42	96	0	
7/27/2013		5	29	42	97	0	
7/28/2013		5	29	42	97	0	
7/29/2013		5	29	42	97	0	
7/30/2013		5	29	42	97	0	
7/31/2013		5	29	42	97	0	

Total 2992

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DEC 2 6 2013