KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		~~~		ť	See Instruc	tions on Re	everse Side)					
Open Flow		Test Date:				API	No. 15						
Deliverabilty				9/30/2015				-20475-00 0	0				
Company Rosewo		ources, Inc.		_	Lease McClelland					Well Number 41-20			
County Location Sherman SWNENE/4		Section TWP 20 9S				RNG (E/W) 40W			Acres Attributed 80				
Field Goodand			Reservoir Niobrara			Gas Gathering Conne Branch Systems Inc							
Completion Date 10/29/2006				Plug Back Total Depth 1296'			Packer Set at						
Casing S 4 1/2"	Casing Size Weight			Internal Diameter 4.052		Set at 1284'		Perforations 1056'		то 1076'			
Tubing S NONE	ize	Weig	nt	Internal [Internal Diameter Set a						То		
		(Describe) entional)		Type Fluid Production Dry Gas				Pump Unit or Traveling Plunge flowing			No		
	·	Annulus / Tubin	g)					% Nitrogen			Gas Gravity - G		
Annulus										.6			
Vertical E	Depth(H)			Pressure Taps Flange						(Meter F 	Run) (Prov	er) Size	
Pressure	Buildup	: Shut in <u>9-3</u>	<u> </u>	20 15 at 9:40			(AM)(PM) Taken 10-1			15 at 9:50	(AN	(PM)	
Well on L	.ine:	Started 10-				(PM) Taken 10-2 20			15 at 10:40	(AN	(PM)		
		Circle one:		OBSERVED SURFACE DATA						Duration of Shut-	24	Hours	
Static / Dynamic Property	Static / Orifice Dynamic Size Pro			Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$		fubing ad Pressure r (P _t) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	· / · · · -		Inches H ₂ 0	<u> </u>		psig_	psia						
Flow	Flow					1	15.4			24	0		
					FLOW STR	EAM ATT	RIBUTES						
Plate Coefficient (F _b) (F _p) Motd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m ×h	Grav Fac	tor 1	Flowing femperature Factor F _{II}	Fa	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m	
									9				
	,		<u> </u>	(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P \2	= 0.207		
(P _c)² =		: (P _w) ² =	::	<u>P</u> d ≃		%(P _o - 14 <u>.4)</u> +	14.4 = _	:	(P _d) ²			
$(P_c)^2 - (P_n)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²	1. P _c ² -P _s ² 2. P _c ² -P _c ² divided by: P _c ² -P _c ²	LOG of formula 1. or 2. and divide by: P 2 - P 2 w		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Deliver Equals R (Mo	rability x Antilog	
								<u></u>					
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia													
	•	ned authority, o		• •		•			ecember	rt and that he ha	s knowled 20	ge of 15	
ano igota S	satou III	o.on, and that s	aa roport is titli	and conec	" FYCONIGO	ano me			, 1	11115	F		
		Witness	if any)	_KCC	WICH	IITA		KE	MAUL FOR	Company	M	<u> </u>	
	_	For Comm	nission	APR	? 0 7 2 0	16			Chec	ked by			

RECEIVED

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. and that 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.								
I hereby request a one-year exemption from open flow testing for the _McClelland 41-20								
gas well 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.								
Date: _12/22/15								
APR 07 2016 RECEIVED Signature: Daniel Marting 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.

W2502

McClelland 41-20

South Goodland

Goodland

None

September-15

	Casing		H	RS	REMARKS
DATE	PSI	STATIC MCI	F D	own	(Maximum length 110 characters)
9/1/2015		. 14	9	0	
9/2/2015	1	. 14	9	0	
9/3/2015	1	14	9	0	
9/4/2015	1	14	9	0	
9/5/2015	1	. 14	9	0	
9/6/2015	1	. 14	9	0	
9/7/2015	1	. 14	9	0	
9/8/2015	1	14	9	0	
9/9/2015	1	. 14	9	0	
9/10/2015	1	. 14	9	0	
9/11/2015	1	. 14	9	0	
9/12/2015	1	14	9	0	
9/13/2015	1	. 14	9	0	
9/14/2015	1	. 14	9	0	
9/15/2015]	. 14	9	0	
9/16/2015	1	14	9	0	
9/17/2015	1	14	9	0	
9/18/2015	1	. 14	9	0	
9/19/2015	1	. 14	9	0	
9/20/2015	1	. 14	9	0	
9/21/2015	1	. 14	9	0	
9/22/2015	1	. 14	9	0	
9/23/2015	1	. 14	9	0	
9/24/2015	1	. 14	9	0	
9/25/2015	1	. 14	9	0	
9/26/2015	1	. 14	9	0	
9/27/2015	1		9	0	
9/28/2015	1		9	0	
9/29/2015	5		5	22	
9/30/2015	13		0		24 hr shut in pressure for state
10/1/2015		0	0	0_	

Total 257

KCC WICHITA APR 0.7 2016 RECEIVED W2502

McClelland41-201

South Goodland

Goodland

None

October-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	<u>MC</u> F	DOWN_	(Maximum length 110 characters)
10/1/2015	9	22	5	24	
10/2/2015	7	20	8	7	
10/3/2015	4	17	10	0	
10/4/2015	3	16	10	0	
10/5/2015	2	15	10	0	
10/6/2015	2	15	10	0	
10/7/2015	2	15	10	0	
10/8/2015	2	15	9	2	
10/9/2015	2	15	10	2	
10/10/2015	2	15	10	2	
10/11/2015	1	14	10	0	
10/12/2015	2	15	9	4	
10/13/2015	1	14	10	0	
10/14/2015	1	14	10	0	
10/15/2015	2	15	9	0	
10/16/2015	2	15	9	0	
10/17/2015	1	14	9	0	
10/18/2015	1	14	9	0	
10/19/2015	1	14	9	0	
10/20/2015	1	14	9	0	
10/21/2015	1	14	9	0	
10/22/2015	1	14	9	0	
10/23/2015	1	14	9	0	
10/24/2015	1	14	9	0	
10/25/2015	I	14	9	0	
10/26/2015	1	14	9	0	
10/27/2015	1	14	9	0	
10/28/2015	1	14	9	0	
10/29/2015	1	14	9	0	
10/30/2015	1	14	9	0	
10/31/2015	1	14	9	0	

Total 284

KCC WICHITA APR 0.7 2016 RECEIVED W2502 McGlelland 41-20

South Goodland

Goodland

None

November-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2015	1	14	10) 0	
11/2/2015	1	14	9	9 0	
11/3/2015	1	14	9	9 0	
11/4/2015	1	14		9 0	
11/5/2015	1	14	1	9 0	
11/6/2015	1	14	!	9 0	
11/7/2015	1	14	1	9 0	
11/8/2015	1	14	1	9 0	
11/9/2015	1	14	1	0 0	
11/10/2015	1	14	1		
11/11/2015	1	14		9 0	
11/12/2015	1	14	1	0 0	
11/13/2015	1	14			
11/14/2015	1	14		9 0	
11/15/2015	1	14		9 0	
11/16/2015	1	14		9 0	ı
11/17/2015	1	14	1	9 0	
11/18/2015	1	14		9 0	
11/19/2015	1	14	,	9 0	
11/20/2015	1	14	1:	2 1	
11/21/2015	1	14	1	1 0	r
11/22/2015	1	14	1	2 0	
11/23/2015	1	14	1	0 0	r
11/24/2015	1	14	I	0 0	1
11/25/2015	1	14		9 0	l .
11/26/2015	1	14	1	1 0	l
11/27/2015	1	14	1	4 0	1
11/28/2015	1	14	1	1 0	1
11/29/2015	1	14		9 0	1
11/30/2015	1	14	1	2 0	1
12/1/2015	0	0		<u>0</u> 0	·

Total 298

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