## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	w <b>I</b>	XSI.			(	See Ins	truct	tions on Re	everse S	ide)						
	liverat					Test Date 8/3/2009							No. 15 -20436-0	0-00			
Company		esoui	rces			0,0,200	·		Lease Buchol	tz					· 1-14	Well N	umber
County Cheyenr	County Location Cheyenne SWNW					Section 14			TWP 3S	` ,					Acres Attributed		
Field Cheyenr	Field Cheyenne				Reservoir Niobrara				Gas Gathering Conn Branch Systems In					tion			
Completion 12-21-20		te				Plug Bac 1504'	k Total	Dept	h		F	acker S	et at		,		
Casing S 4 1/2"	Casing Size Weight 4 1/2" 10.5#				Internal Diameter 4.052			Set at <b>1508'</b>			Perforations 1352'			то 1390'			
Tubing Si	Tubing Size Weight				Internal Diameter				et at Perforations				То				
Type Con Single (				•		Type Fluid Production Dry Gas				·	Pump Unit or Traveling Plu Pumping Unit				lunger? (Yes)/ No		
Annulus	3	,	nulus / Tubi	ng)		% Carbon Dioxide					% Nitrogen				Gas Gravity - G <sub>g</sub> .6		
Vertical D 1390'	Vertical Depth(H)				Pressure Taps Flange										(Meter 2"	Run) (F	Prover) Size
Pressure	Buildu	ıp: :	Shut in 8-	2	20	09 at 1	0:50		(AM)(PM)	Taken_	8-3			20 0	9 <sub>at</sub> 11:00		(AM) (PM)
Well on L	ine:	;	Started 8-	3	20	09 at 1	1:00	***************************************	(PM)					20 _	09 <sub>at</sub> 11:50	(	(AM)(PM)
							OBSE	RVE	D SURFAC	E DATA				D	uration of Shut-	in 24	Hours
Static / Dynamic Property	Orif Siz (inch	Ze Prover Pressure		Pressure Differential in Inches H <sub>2</sub> 0	Differential in Flowing Well He Temperature Tempera			re Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )			Duration (Hours)		Liquid Produced (Barrels)		
Shut-In					2				psig 40	54.4		psig	psia		i		
Flow									120	134.4				2	24	0	
	- 1		Circle	Т	· · · · · · · · · · · · · · · · · · ·	T	FLOW	STR	EAM ATTR	IBUTES		Т			-		T -
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia			Press Extension	Gravity Factor F <sub>g</sub>		т.	Flowing emperature Factor F <sub>11</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
			- 1					-					26				
/D \2 -			(D.)°		_	(OPEN FLO	OW) (DE			•						<sup>2</sup> = 0.2	207
(P <sub>c</sub> ) <sup>2</sup> =	<u> </u>	=:_	(P <sub>w</sub> ) <sup>2</sup>		se formula 1 or 2:	P <sub>d</sub> = .		<u>^</u>	T	Cura Cur		+.4 =	<del>:</del>		(P <sub>d</sub> )		<del></del> -
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$				2	2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or and o		OG of ormula 1. or 2. or divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG			Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov					Mcfd @ 14.6	5 psia			Deliverab	oility		<u> </u>		Mo	ofd @ 14.65 psi	 а	
The u	ınders	igned	authority, o				tates th	at he			l to r	nake the	above re		and that he ha		ledge of
					report is true								vember	)		1 K	20 09 CEIVED PRATION COMI
			Witness For Com					_	-					or Com		, 107	3 0 2009

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er 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.  oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation 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 Bucholtz 1-14 bunds that said well:
	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  to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: _11/19/09	Signature: W loels  Title: Production Foreman

## 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-adjusted than signed and dated on the front side as though it was a verified report of annual test results.

NOV 3 0 2009

W342 Bucholtz 01-14 St. Francis St. Francis Pumping Unit August-09

FloBoss

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC M	1CF	SPM	CYCLE	<u>DOWN</u>	BBLS	(Maximum length 110 characters
8/1/2009			58	19	6	24	0	34	
8/2/2009			58	19	6	24	0	33	
8/3/2009		40	40	20	0	24	0	32	shut in for test
8/4/2009		120	58	6	6	24	0	0	open
8/5/2009			58	22	6	24	0	0	started pump
8/6/2009			44	27	6	24	0	34	
8/7/2009			46	28	6	24	0	33	
8/8/2009			45	27	6	24	0	32	
8/9/2009			44	27	6	24	0	33	
8/10/2009			44	27	6	24	0	34	
8/11/2009			42	26	6	24	0	33	
8/12/2009			39	26	6	24	0	32	
8/13/2009			40	26	6	24	0	33	
8/14/2009			42	26	6	24	0	34	
8/15/2009			42	26	6	24	0	33	
8/16/2009			58	26	0	0	0		pu off
8/17/2009			117	19	0	0	0	0	•
8/18/2009			118	0	0	0	0	0	
8/19/2009			118	0	0	0	0	0	
8/20/2009			124	2	0	0	0	0	
8/21/2009			80	14	0	0	0	0	
8/22/2009			26	23	0	0	0	0	
8/23/2009			55	20	0	0	0	0	
8/24/2009			62	22	0	0	0	0	
8/25/2009			77	20	6	24	4	0	started pump
8/26/2009			43	33	6	24	0	34	<b>r</b>
8/27/2009			43	23	6	24	0	33	
8/28/2009			43	24	6	24	0	34	
8/29/2009			43	24	6	24	0	33	
8/30/2009			58	24	6	24	3	32	
8/31/2009			44	26	6	24	0	33	

Total 652 629

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W342

Bucholtz 01-14

St. Francis

St. Francis

Pumping Unit

September-09

FloBoss

	Tubing	Casing				HRS	Water
DATE	PSI	PSI	STATIC MCF	SPM	CYCLE	DOWN	BBLS
9/1/2009			44	26			0
9/2/2009			46	26		(	0
9/3/2009			45	26		(	0
9/4/2009			46	24			6
9/5/2009			45	25		(	0
9/6/2009			44	25		(	0
9/7/2009			45	25		(	0
9/8/2009			44	25		(	0
9/9/2009			48	25		(	C
9/10/2009			44	25		(	0
9/11/2009			41	23		(	C
9/12/2009			40	20			)
9/13/2009			45	19		1.:	5
9/14/2009			52	19			)
9/15/2009			41	18		(	)
9/16/2009			39	18		(	)
9/17/2009			38	18		(	)
9/18/2009			38	17		(	)
9/19/2009			38	16		(	)
9/20/2009			39	16		(	)
9/21/2009			37	16		(	)
9/22/2009			37	16		(	)
9/23/2009			33	15		(	)
9/24/2009			36	15		(	)
9/25/2009			52	15		(	ó
9/26/2009			91	15		(	)
9/27/2009			79	15		(	)
9/28/2009			70	14		(	)
9/29/2009			44	14		(	)
9/30/2009			101	13		8	3
10/1/2009						(	)

Total 584 0

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