KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: .	,	ASI			(See Inst	ructi	ions on Re	everse Sid	e)						
i Open Flow Test Da Deliverability 5/9/20						Test Date 5/9/201						API No 023-2	o. 15 1263-00 f	.oo	,		
Company		OUT	res Inc			0,0,201	<u>,</u>		Lease Zimbelr	man						Well Nu	ımber
					Section TWP						(E/W))				Attributed	
Cheyenn Fleid	e		NENW			24 3S Reservoir					41W Gas Gathering Connection					80	
Cherry C			- ··- · · ·			Niobran					Branch Systems Inc.						
Completion Date 10/13/2010				Plug Back Total Depth 1391'					Packe	er Set	at						
Casing Si 1/2"	Ze		Weigh 10.5#			Internal I 6.366				Set at Perforations 1431' 1194'				то 1224'			
ubing SI	ze		Weigh	ht		internal (Diameter		Set	at	Pe	rforat	ions		To		
ype Con Single (Type Fluid Production Dry Gas					Pump		or Traveling	Plung	er? Yes	No	
			ulus / Tubin	g)			arbon D	ioxio	de			% Nitrogen			Gas Gr	Gas Gravity - G	
Annulus					,										.6		
Vertical D 1450'	epth(H)						Pressure Taps Flange								(Meter :	Run) (P	rover) Size
ressure	Bulldup	: 9	shut in 5-8	}	20	11 at 6:05 (AM) (PM) Taken 5-9					-9		20	11 8	6:15		(AM (PM)
Well on Li	ine:	8	started 5-9)	20	11 at 6	:15	_	(AM) (PM)	Taken 5	-10		20	<u>11</u> a	6:40		(AM)(PM)
							OBSE	₹VE	D SURFAC	E DATA				Durati	on of Shut-	_{in 24}	Hours
Static /	Mater Dillarantial				Flowing	•			Casing Weilhead Pressure W				D	uration	Liqui	d Produced	
Dynamic Property	Prover Pressure In			Temperature Temperature t			(P _w) or (P _t) or (P _c)			((Hours)		(Barrels)		
Shut-In					•				131	145.4	"	- B	poru				-
Flow									68	82.4				24			
							FLOW !	STR	EAM ATTR	RIBUTES							,
Plate Coefficient (F _b) (F _p) Mcfd Circle one: Meter or Meter or Extension Prover Pressure psia P _m x h			Gravity Factor F _g			Flowing emperature Factor F.,	F	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m			
			·			 						2	4	\top			
				1		(OPEN FL	OW) (DE	LIV	ERABILITY	r) CALCU	LATION				(P.)) ² = 0.2	207
P _e)* =		:	(P _w) ² =		:.	P _d =		<u></u> 9	% (P _c - 14.4)	+ 14.4 =	<u> </u>	<u>:</u>) ² =	
$ \begin{array}{c c} (P_a)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & Choose formula 1 or 2: \\ 1. \ P_c^2 - P_c^2 & \\ (P_c)^2 - (P_d)^2 & 2. \ P_c^2 - P_d^2 & \\ divided by: \ P_c^2 - P_c^2 & \\ \end{array} $			LOG of formula 1. or 2. and divide by:			Backpressure Curve Slope = "n" Assigned Standard Slope			n x LOG		,	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)			
Open Flor	N			M	Mcfd @ 14.0	65 psia			Deliveral	billty				Mctd 6	14.65 ps	ia	
			authority, o											rt and	that he ha		
he facts s	tated the	ereir	n, and that s	aid r	eport is true	and correc	t. Execu	uted	this the 2					/	60		20 <u>11</u> .
			Witness ((if eny)	1			-			JO	<u> </u>	For	Company			RECE
			For Corns	mission	1	· · · ·		_					Che	cked by			APR 2

exempt si and that correct to of equipm I here	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request tatus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records then installation and/or upon type of completion or upon use being made of the gas well herein named. Beby request a one-year exemption from open flow testing for the Zimbelman 21-24 on the grounds 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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: <u>12</u>	Signature:
	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.

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Zimbelman 21 247

St. Francis

St. Francis

Flow

May-11

FloBoss

		Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC		CYCLE	DOWN	BBLS	(Maximum length 110 characters
5/1/2011		76		25				
5/2/2011		76		25				
5/3/2011		75	88	25				
5/4/2011		74	87	25				
5/5/2011		74	87	25				
5/6/2011		73	86	25				
5/7/2011		73	86	25				
5/8/2011		139	152	25				
5/9/2011		131	144	0		24		Compressor Down
5/10/2011		101	114	25				
5/11/2011		77	90	27				
5/12/2011		72	85	25				
5/13/2011		70	83	25				
5/14/2011		69	82	25				
5/15/2011		68	81	24				
5/16/2011		68	81	24				
5/17/2011		68	81	24				
5/18/2011		68	81	24				drip pot installed
5/19/2011		67	80	24				
5/20/2011		68	81	24				
5/21/2011		67	80	24				
5/22/2011		80	93	23				
5/23/2011		68	81	24				
5/24/2011		67	80	24				
5/25/2011		54	67	24				
5/26/2011		67	80	24				
5/27/2011		68	81	24				
5/28/2011		69	82	24				
5/29/2011		69	82	24				
5/30/2011		69	82	24				
5/31/2011		68		24				

Total 734 0

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KCC WICHITA

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Zimbelman 21-24.

St. Francis

St. Francis

Flow

June-11

FloBoss

		Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC MO	F SP	M CYCLE	DOWN	BBLS	(Maximum length 110 character
6/1/2011		77	90	23				
6/2/2011		71	84	23				
6/3/2011		70	83	23				
6/4/2011		70	83	23				
6/5/2011		70	83	23				
6/6/2011		70	83	23				
6/7/2011		69	82	23				
6/8/2011		69	82	23				
6/9/2011		70	83	23				
6/10/2011		70	83	23				
6/11/2011		70	83	23				
6/12/2011		70	83	23				
6/13/2011		70	83	23				
6/14/2011		71	84	23				
6/15/2011		69	82	23				
6/16/2011		74	87	22				
6/17/2011		72	85	23				
6/18/2011		72	85	22				
6/19/2011		72	85	22				
6/20/2011		72	85	22				
6/21/2011		72	85	22				
6/22/2011		72	85	22				
6/23/2011		72	85	22				
6/24/2011		82	95	22		1		
6/25/2011		70	83	22				
6/26/2011		69	82	22				
6/27/2011		68	81	22				
6/28/2011		69	82	22				
6/29/2011		69	82	22				
6/30/2011		70	83	22				
7/1/2011								

Total 676 0

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Zimbelman 21-24

St. Francis

St. Francis

Flow

July-11

FloBoss

	_	Casing			HRS	Water	REMARKS
DATE	PSI	PSI	STATIC		CYCLE DOWN	BBLS	(Maximum length 110 characters)
7/1/2011		70					
7/2/2011		59	72				
7/3/2011		60	73	22			
7/4/2011		60	73	22			
7/5/2011		69	82	22			
7/6/2011		69	82	22			
7/7/2011		69	82	22			
7/8/2011		69	82	22			
7/9/2011		68	81	22			
7/10/2011		69	82				
7/11/2011		68					
7/12/2011		68	81	22			
7/13/2011		64	77	22	1		
7/14/2011		68	81	21			
7/15/2011		60	73	22			
7/16/2011		65	78	21			
7/17/2011		65	78	21			
7/18/2011		80	93	21			
7/19/2011		70	83	21	2		
7/20/2011		69	82	21			
7/21/2011		76	89	21			
7/22/2011		65	78	21			
7/23/2011		66	79	21			
7/24/2011		66	79	21			
7/25/2011		66	79	21			
7/26/2011		66	79	21			
7/27/2011		66	79	21			
7/28/2011		67	80	21			
7/29/2011		63	76	20			
7/30/2011		68	67	21			
7/31/2011		54	67	21			

Total 664 0

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