KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open Flow Size Section Type Lease R. Well Humber #5 Section Type Rosewood Resources, Inc. Section Type R. Well Humber #5 Section Type Rosewood Resources, Inc. Section Type R. Well Humber #5 Section Type Rosewood Resources, Inc. Section Type R. Well Humber #5 Section Type Rosewood Resources, Inc. Section Rosewood Resources,	Type Tes	it:		-CP		(See Instruc	tions on Re	everse Side))					
Bischerability Bisc	Or	oen Flo	w	Mar		Test Date	a:			AP	No. 15				
Rosewood Resources, Inc. R. Waller	De	eliverat	ilty							15	-023-20-11	1 0000			
Cheyenne NESW 9 3S 41W 80 Field Reservoir Nichtaria Branch Systems Inc. Completion Date Plug Back Total Depth 150S Casing Size Weight Internal Diameter Set at 1780 140S 140S 140S 140S 140S 140S 140S 140			sou	rces, Inc.					ter			,	Well Number		
Cherry Creek Completion Date 7/18/1980 1505 Casting Size Weight 10.5# 4.052 1470 1454 168' 1468' 1468' 1472 10.5# 4.052 1470 1454 168' 1468' Tobing Size NoNONE Programetric Day Producing Thru (Annulus / Tubing) Producing Thru (Annulus / Tubing) Producing Thru (Annulus / Tubing) Prosure Buildup: Shut in 8-4 20 99 at 10:30 Ability (Phi) Taken 8-5 20 99 at 10:45 Casting Size Neil on Line: Started 8-5 20 99 at 10:45 Casting Size Prosure Buildup: Prosure Buildup: Shut in 8-4 20 99 at 10:30 Casting Size Neil on Line: Started 8-5 20 99 at 10:45 Casting Size Properly Pressure Taps Pressure Taps (Meter Run (Prover) Size Plange 2" OBSERVED SURFACE DATA Casting Size Size Properly Pressure Pressu	•	ne								•	:/W)				
7.18/1980 1505 Cashing Size Weight Internal Diameter Set at Perforations To 1468' 10.5# 4.052 1470' 1454' 1468' Tubing Size Weight Internal Diameter Set at Perforations To NONE Type Completion (Describe) Type Stude Policy (Prover) Pressure Taps (Meter Fun) (Prover) Size 2" Well on Line: Started 8-5 20 99 at 10:30 (AM) (PM) Taken 8-5 20 99 at 11:30 (AM) (PM) Well on Line: Started 8-5 20 99 at 11:30 (AM) (PM) Started 9-5 20 99 at 11:30 (AM) (PM) Temperature Pressure Tubing Duration of Shut-in 24 Hours Started 9-5 20 99 at 11:30 (AM) (PM) Temperature Pressure Tubing Duration of Shut-in 24 Hours Started 9-5 20 99 at 11:30 (AM) (PM) Temperature Pressure Tubing Duration of Shut-in 24 Hours Started 9-5 20 99 at 11:30 (AM) (PM) Temperature Pressure Tubing Duration of Shut-in 24 Hours Table (P ₁) × (P ₁) × (P ₂) × (P ₃		Creek													
## A 1,052			e			-	k Total Dep	th		Packer	Set at				
NONE Type Completion (Describs) Single (Conventional) Type Fluid Production Dry Gas Production Production Production Traveling Plunger? (Res) No Production Production Production Traveling Plunger? (Res) No Pumping Unit Gas Gravity Gs Sarative Gr Sarative G						Diameter									
Single (Conventional) Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G _s 6 Annulus Vertical Depth(r) Pressure Taps Flange 2" (Meter Run) (Prover) Size Pressure Buildup: Shut in 8-4 20 09 at 10:30 AND (PM) Taken 8-5 20 09 at 10:45 AND (PM) Taken 8-6 20 09 at 11:30 AND (PM) Taken 8-6 20 09 at 11:30 AND (PM) Taken 8-6 20 09 at 10:45 AND (PM) Taken 8-6 20 09 at 11:30 AND (PM) Taken 8-6 20 09 at 10:45 AND (PM)		ize		Weigh	t	Internal I	Internal Diameter Set at			Perfe	orations	То			
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen												/ No			
Vertical Depth(H)		·		•	g)						gen	Gas Gra	Gas Gravity - G		
Flange 2" 2" 2" 2" 2" 2" 2" 2															
Well on Line: Started 8-5 20 09 at 10:45 AMD (PM) Taken 8-6 20 09 at 11:30 (AMD (PM) (PM) Taken 8-6 20 09 at 11:30 (AMD (PM) (PM) (PM) Taken 8-6 20 09 at 11:30 (AMD (PM) (PM) (PM) (PM) (PM) (PM) (PM) (PM)			1)				· ·					•	Run) (Prover) Size		
Well on Line: Started 8-5 20 99 at 10:45 AMD (PM) Taken 8-6 20 09 at 11:30 AMD (PM) Static / Orifice Dynamic Property (Inches) Progressure Property Property Progressure Property Property Progressure Property Property Progressure Property Propert	Pressure	Buildu	p:	Shut in 8-4	2	09 at 1	0:30	(AM) (PM)	Taken 8-	5	20	09 _{at} 10:45	(AM)(PM)		
Static / Orifice Orifi	Well on L	.ine:		Started 8-5	2	09 at 1	0:45				20	09 at 11:30	(AM) (PM)		
Static Orifice Orifice Property Ginches Prover Pressure Prover Pressure Property Prover Pressure Pressure Pressure Pressure Pressure Prover Pressure Pres							OBSERVE	D SURFAC	E DATA		· · · · · · · · · · · · · · · · · · ·	Duration of Shut-i	n 24 Hours		
Shut-in Shot-in Shut-in Shut-i	Dynamic Size		Meter	Differential	Temperature	Temperature	Wellhead Pressure		Wellhead Pressure			'			
Flow STREAM ATTRIBUTES Plate Coefficient (F,)(F,) Pressure psia Presude psia Pressure psia Pressure psia Pressure psia Pressu			psig (Pm)	Inches H ₂ 0	1	1 1		psia	-						
Plate Coefficient (Fe) (Fe) (Fe) Meter or Prover Pressure psia (Fe) (Fe) (Fe) (Fe) (Fe) (Fe) (Fe) (Fe)				, ,								24			
Coefficient (F _s)(F _p) McId Meter or Prover Pressure psia (P _p) ² = (P _p) ² (P	<u>. </u>			I	L	1	FLOW STR	EAM ATT	RIBUTES	1	<u> </u>	<u> </u>	<u></u>		
Coefficient (F _p) (Cubic Feet/Pissure pisia P _m xh	Plate	,		Circle one:	Press	Grav				intian	Motored Flo		Flowing		
(P _c) ² = : (P _w) ² = : P _g = % (P _c - 14.4) + 14.4 = : (P _g) ² = : (P _g) ² = : (P _g) ² = % (P _c - 14.4) + 14.4 = : (P _g) ² =			Pro			Fac	tor		Fa	ctor	R	(Cubic Fee	21/		
(P _c) ² = : (P _w) ² = : P _g = % (P _c · 14.4) + 14.4 = : (P _g) ² = Open Flow (P _c) ² - (P _w) ² (P _c) ² · (P _w) ² 1. P _c ² - P _s ² 1. Open Flow Deliverability P _c ² - P _w P _c ² - P				psia	✓ P _m xh				F	pv	(Mcfd)	Barrel)	/		
(P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² =															
(P _c) ² = : (P _w) ² = : P _d = % (P _c · 14.4) + 14.4 = : (P _d) ²						(OPEN FL	OW) (DELIV	ERABILITY	() CALCUL	ATIONS		/D \2	_ 0.207		
Company Comp	(P _c) ² =		:	(P _w) ² =	:	P _a =		% (P _c - 14.4) +	14.4 =	:				
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 19 day of November Witness (if any) Standard Slope (Mcfd) Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 19 day of For Company Witness (if any)	1 - 1		(F	P _c) ² - (P _w) ²	1. P _c ² -P _a ² LOG of formula 2. P ² -P _s ² 1. or 2.		Slope = "n"		pe = "n" - or	n x LOG		Antilog	Deliverability		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the day of November, 20 09. Witness (if any)	(,) - (۵)			divided by: Pc2 - Pw	and divide by:	P _c ² - P _w ²				L J		(Mcfd)		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the day of November, 20 09. Witness (if any)															
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the facts stated therein, and that said report is true and correct. Executed this the day of November, 20 09. Witness (If any)	Open Flor	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 psia	1		
Witness (if any) State of the	The	undersi	gnec	authority, or	behalf of the	Company, s	tates that h	e is duly a			•	rt and that he has	•		
	the facts s	tated ti	nerei	n, and that sa	id report is true	e and correc	t. Executed	this the 1	9	day of _	lovember	11/11	, 20 <u>09</u> .		
For Commission Checked by MINV 2 0 2000				Witness (i	any)		<u>.</u>	-	/	m	W /	Company	ECEIVEN		
		····		For Comm	ission			-			Chec	cked by	IV 3 U 2000		

l decl	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	atus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	he 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
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	by request a one-year exemption from open flow testing for the R. Walter 32-21
	n 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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ne	ecessary to corroborate this claim for exemption from testing.
441	40/00
Date: <u>11/</u>	19/09
	Signature: Jon W Coels
	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. The form must be signed and dated on the front side as though it was a verified report of annual test results.

NOV 3 G 2009

W377
Walter #5
St. Francis
St. Francis
Pumping Unit/Elec

August-09

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	${\tt BBLS}$	(Maximum length 110 characters
8/1/2009			54	20	6	8.5	0	9	
8/2/2009			54	20	6	8.5	0	8	
8/3/2009			54	19	6	8.5	0	7	
8/4/2009			54	19	6	8.5	0	8	
8/5/2009		80	101	19	0	0	0	9	shut in for test
8/6/2009		90	14	3	6	8.5	0	0	open started pump
8/7/2009			52	19	6	8.5	0	9	
8/8/2009			54	19	6	8.5	0	8	
8/9/2009			54	19	6	8.5	0	9	
8/10/2009			54	19	6	8.5	0	0	
8/11/2009			48	19	6	8.5	0	0	
8/12/2009			48	19	6	8.5	0	0	
8/13/2009			46	19	6	8.5	0	0	
8/14/2009			48	21	6	8.5	0	9	
8/15/2009			50	21	6	8.5	0	8	
8/16/2009			50	23	6	8.5	0	9	
8/17/2009			108	8	0	0	0	0	PU OFF
8/18/2009			135	8	0	0	0	0	
8/19/2009			137	8	6	8.5	0	0	started pump
8/20/2009			52	14	6	8.5	0	9	• •
8/21/2009			54	19	6	8.5	0	8	
8/22/2009			50	25	6	8.5	4	7	
8/23/2009			104	20	6	8.5	0	8	
8/24/2009			60	20	6	85	0	9	
8/25/2009			93	11	0	0	4	0	
8/26/2009			52	26	0	0	0	0	
8/27/2009			52	22	0	0	0	0	
8/28/2009			52	21	0	0	0	0	
8/29/2009			135	21	0	0	0	0	
8/30/2009			53	18	0	0	3	0	
8/31/2009			53	18	0	0	0	0	

Total 557 134

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W377
Walter #5
St. Francis
St. Francis
Pumping Unit/Elec
September-09

	Tubing	Casing					HRS	Water
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS
9/1/2009	•		0 53	3 20) () () (0
9/2/2009			0 52	! 19) () () (0
9/3/2009			0 56	5 19) () () (0
9/4/2009			0 68	3 13	. () () 6	0
9/5/2009			0 56	5 20) () () (0
9/6/2009			0 54	19	() () (0
9/7/2009			0 54	18	() () (0
9/8/2009			0 54	18	() (0	0
9/9/2009			0 57	18	() (0	0
9/10/2009			0 53	17	•) (0	0
9/11/2009			0 51	. 17	· () (0	0
9/12/2009			0 51	. 17	•) (0	0
9/13/2009			0 55	17	· () (1.5	0
9/14/2009			0 51	. 17	•) () 0	0
9/15/2009			0 51	. 17	() (0	0
9/16/2009			0 50	17	() (0	0
9/17/2009		•	0 49	17	•) (0	0
9/18/2009			0 49	16	() (0	0
9/19/2009			0 48	16	() (0	0
9/20/2009			0 48	16	() (0	0
9/21/2009			0 50	16	() (0	0
9/22/2009			0 48	16	() (0	0
9/23/2009			0 49	16	() (0	0
9/24/2009			0 48	16	() (0	0
9/25/2009			0 56	11	(0	6	0
9/26/2009			0 99	10	(0	0	0
9/27/2009			0 91	18	() 0	0	0
9/28/2009			0 83	17	(0	0	0
9/29/2009			0 56	17	C	0	0	0
9/30/2009			0 54	11	C	0	8	0
10/1/2009			0 0	0	C	0	0	0

Total 496 0

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