KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	*			((See Instruc	tions on Re	everse Side	9)				
Op	oen Flo	w ()	ACT		Test Date	••			A []	l No. 15			
De	eliverat	oilty			7/10/20					3-20610-00 0	0		
Company		esou	rces, Inc.				Lease Zimbel	man	_		1-18	Weil N	umber
County	ne		Locati SW SW		Section 18		TWP 3S		RNG (E	/W)		Acres 80	Attributed
Field Cherry (Creek				Reservoi					thering Conn			
•					Plug Bac	k Total Dep	th		Packer	Set at			
5					Internal I	Internal Diameter Set at 4.052 1440'				orations .8'	To 1282)'	
Tubing Size Weight I						Internal Diameter Set at				orations	To	<u> </u>	
Type Cor	•	•	•			d Productio	n			nit or Traveling	Plunger? (Yes	s)/ No	
Single (<u> </u>		nulus / Tubing	1)	Dry Ga	as Carbon Diox	ide		% Nitrog	ing Unit	Gas (3ravity -	G _g
Annulus											.6		
Vertical E	Depth(l	- I)				Pres Flan	sure Taps ge				(Mete 2"	r Run) (F	rover) Size
Pressure	Buildu	-	Shut in 7-9	2	0 13 at 8			Taken 7-			13 _{at 8:55}	((AM)(PM)
Well on L	.ine:		Started 7-10	2	0 <u>13</u> at <u>8</u>	:55	(PM)	Taken 7-	11	20	13 _{at} 9:40		(PM)
				- 1.	ı	OBSERVE	D SURFAC	E DATA	1		Duration of Shu	_{It-in} 24	Hours
Static / Dynamic Property	namic Size Meter Differential To		Flowing Temperature t	emperature Temperature Wellhead Pre			Wellhe	Tubing ead Pressure or (Pt) or (Pc)	Duration (Hours)		id Produced (Barrels)		
Shut-In			psig (Pm)	Inches H ₂ 0			139	153.4	psig	psia	 -		
Flow							52	66.4			24	.0	
						FLOW STR	REAM ATT	RIBUTES			-		
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{ft}	Fa	iation ctor : pv	Metered Flov R (Mcfd)	y GOF (Cubic F Barre	Feet/	Flowing Fluid Gravity G _m
					<u> </u>					27			
(D \2			/D \2_		-	OW) (DELIV		-				$_{a})^{2} = 0.2$ $_{d})^{2} = $	207
$(P_c)^2 = {(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		: P _d = hoose formula 1 or 2: 1. P _c ² - P _a ² LOG of formula 2. P _c ² - P _c ² 1. or definitely		Backpressure Slope = ' r 2.		essure Curve	'n" n x LOG		Antilog	O De	pen Flow liverability s R x Antilog
	d/			divided by: P _c ² - P _w	and divide by:	P _c ² - P _w ²		dard Slope					(Mcfd)
Open Flo	w			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 p	sia	
The t	unders	igned	authority, or	behalf of the	Company, s	states that h	ne is duly a VED	uthorized to	o make ti	ne above repo lovember	rt and that he l		
uie tacts s	tated t	nerei	n, and that sa	id report is true	anguandac	DEC 2				gall	Mast	HO 1	20 <u>13</u> .
			Witness (if	any)		CONSERVAT		- (For C	Company CCC	evl	1
			For Commi	ssion	•	MICH				Chec	ked by		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.								
	going pressure information and statements contained on this application form are true and								
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records								
• •	allation 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 Zimbelman 1-18								
	rounds that said well:								
(Check	one)								
	is a coalbed methane producer								
Ħ	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								
•	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.								
Date: 11/21/13									

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.

W379

Zimbelman 1-18

St. Francis

St. Francis

None

July-13

FloBoss

Total

FloBoss								
	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2013	52	65	26	9	6		7	
7/2/2013	54	67	26	9	6		8	
7/3/2013	52	65	28	9	6		7	6.5 min bt
7/4/2013	55	68	28	9	6		8	
7/5/2013	55	68	28	9	6		6	
7/6/2013	55	68	28	9	6	•	5	
7/7/2013	67	80	28	9	6		4	
7/8/2013	65	78	28	9	6		7	
7/9/2013	64	75	28	9	3		3	si for state test - cp 64
7/10/2013	139	74	0	9	3	24	3	reopened - cp 139
7/11/2013	63	76	37	9	6		6	
7/12/2013	70	83	28	9	3		4	shut pumping unit off hfp
7/13/2013	72	85	27	9	0	2.5	0	
7/14/2013	76	89	26	9	0		0	
7/15/2013	55	68	26	9	3		4	restart pu
7/16/2013	52	65	27	9	6		6	treated well
7/17/2013	48	61	27	9	6		7	
7/18/2013	79	92	27	9	3		4	pu off hfp
7/19/2013	71	84	25	9	0		0	
7/20/2013	72	85	25	9	0		0	
7/21/2013	73	86	25	9	0		0	:
7/22/2013	69	82	24	9	0		0	
7/23/2013	66	79	24	9	3		4	restart pu
7/24/2013	74	87	24	9	6		7	6 min bt
7/25/2013	76	89	23	9	3		4	pu off hfp
7/26/2013	65	78	23	9	3		4	restart pu
7/27/2013	52	65	25	9	6		8	
7/28/2013	54	67	26	9	6		7	
7/29/2013	52	65	27	9	6		7	
7/30/2013	94	107	27	9	3	3.5	4	pu off hfp
7/31/2013	117	130	24	9	0	5.5	0	
				•				

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CONSERVATION DIVISION WICHITA, KS

W379

Zimbelman 1-18

St. Francis

St. Francis

None

August-13

FloBoss

FloBoss								
	Casing]	HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE I	DOWN	BBLS	(Maximum length 110 characters)
8/1/2013	75	88	24	9				
8/2/2013	75	88	24	9				
8/3/2013	70	83	24	9				
8/4/2013	73	86	24	9				
8/5/2013	62	75	22	9				
8/6/2013	52	65	23	9	3		3	restart pu
8/7/2013	48	61	24	9	6		7	
8/8/2013	51	64	24	9	6		9	
8/9/2013	54	67	24	9	6.		6	
8/10/2013	52	65	26	9	6		7	
8/11/2013	50	63	26	9	6		8	
8/12/2013	49	62	26	9	6		7	
8/13/2013	50	63	26	9	6		6	
8/14/2013	50	63	26	9	6		9	
8/15/2013	51	64	26	9	6	0.5	7	6 min bt greased
8/16/2013	61	74	26	9	6		5	
8/17/2013	62	75	26	9	6		7	·
8/18/2013	62	75	27	9	6		9	
8/19/2013	64	77	27	9	3	1.5	3	
8/20/2013	87	100	25	9	0	1	0	
8/21/2013	84	97	24	9	0		0	
8/22/2013	87	. 100	24	9	0	5	0	
8/23/2013	69	82	24	9	0		0	
8/24/2013	81	94	24	9	0	1	0	
8/25/2013	86	99	22	9	0	1	0	
8/26/2013	52	65	23	9	3		4	started pumping unit
8/27/2013	49	62	25	9	6		7	
8/28/2013	47	60	25	9	6		8	
8/29/2013	89	102	25	9	3		4	pu off hfp
8/30/2013	84	97	23				0	
8/31/2013	85	. 98	23	_ 9	0_		0	
	-			•	-			

Total 762 116

RECEIVED KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION WICHITA, KS

W379

Zimbelman 1-18

St. Francis

St. Francis

None

September-13

FloBoss

Total

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
9/1/2013	108		21			1		
9/2/2013	91	104	24					
9/3/2013	163	176	22			22		
9/4/2013	177	190	2			10		
9/5/2013	115	128	18					
9/6/2013	87	100	27			1		
9/7/2013	92	105	24					
9/8/2013	90	103	23					
9/9/2013	92	105	23					
9/10/2013	97	110	22			2		
9/11/2013	144	157	22					
9/12/2013	142	155	6			18		
9/13/2013	87	100	26			4		
9/14/2013	71	84	24			2		
9/15/2013	81	94	23					
9/16/2013	62	75	23	9	3		4	restart pu
9/17/2013	51	64	24	`9	6		7	_
9/18/2013	49	62	24	9	6		7	
9/19/2013	44	57	24	9	6		8	
9/20/2013	32	45	24	9	6		7	
9/21/2013	35	48	24	9	6		6	
9/22/2013	60	73	25	9	- 6		7	
9/23/2013	62	75	25	9	6		8	
9/24/2013	53	66	25	9	3	4	4	pu off hfp
9/25/2013	84	97	23	9	0		0	-
9/26/2013	70	83	23	9	0		0	
9/27/2013	50	63	23	9	3		4	restart pu treated well
9/28/2013	53	66	23	9	6		8	-
9/29/2013	53	66	24	9	6		9	
9/30/2013	58	71	24	9	6		10	
10/1/2013								

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CONSERVATION DIVISION WICHITA, KS