KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	77ST			(See Instruc	ctions on Re	verse Side	9)				
U Op	en Flow	MSI	_		Test Date	e:			API	No. 15			
De	liverabilt	ty			7/10/20					023 - 20567 -	.0000		
Company Rosewoo		ources					Lease Miller				1-13	Well Nu	mber
County Location Section Cheyenne NESW 13					ion TWP 3S				RNG (E/W) 41W			Attributed	
Field St. Franc	cis				Reservoir Niobrara					thering Conn Systems In			
Completic 9-10-200					Plug Bac 1457'	k Total Dep	oth		Packer S	Set at			
Casing S 4 1/2"	ize		Neight 0.5#		Internal [4.052	Internal Diameter Set at				Perforations To 1292' 133			
Tubing Si	ize	,	Weight		Internal I	Diameter	Set	at	Perfo	Perforations To			
Type Con		(Describe)			Type Flui Dry Ga	d Production	on			nit or Traveling	Plunger? Yes)/ No	
	Thru (Annulus /	Tubing)			arbon Diox	ride		% Nitrog		Gas G	iravity - (9,
Vertical D						Pre	ssure Taps			·		Run) (P	rover) Size
1330'						Flar					2"		
Pressure	Buildup:				0_13 at 8		_ (AM) (PM)				13 at 9:10	(AM)(PM)
Well on L	ine:	Started	7-10	2	0 <u>13</u> at 9	:10	_ (AM) (PM)	Taken 7-	11	20	13 _{at} 9:55	(AM)(PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shu	t-in _24	Hours
Static / Dynamic Property	Dynamic Size		e one: eter Pressure		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing ead Pressure r (P _t) or (P _c)	Duration (Hours)		d Produced Barrels)
Shut-In			(Pm)	Inches H₂0	•	,	psig 112	psia psig 126.4		psia		+	
Flow							62	76.4			24	0	
r						FLOW ST	REAM ATTR	IBUTES					ı - -
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one. Meter or Prover Pres. psia		Press Extension ✓ P _m xh	Fac	Gravity Factor F _g		Flowing Devi Femperature Fac Factor F		Metered Flow R (Mcfd)	v GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
										39			_
					•	, ,	VERABILITY	•) ² = 0.2	07
(P _c) ² =		: (1	O _w) ² =	: noose formula 1 or 2.	$P_d =$			P _c - 14.4) +		:	(P _c) ² =	
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w)2	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Slo As	ssure Curve pe = "n" - or signed ard Slope	n x	LOG	Antilog	Del Equals	en Flow iverability R x Antilog (Mcfd)
				- · c · w				•					
Open Flor	Ν			Mcfd @ 14.	65 psia		Deliverat	ility			Mcfd @ 14.65 p	sia	
	_		-				•				ort and that he h	as know	ledge of
the facts st	tated the	erein, and t	hat saic	I report is true	and correc KANS/	t. Executed AS CORPOR	ATION COM	1 IISSION 	day of N	ovember	110-1	70 ,	20 <u>13</u> .
		W	tness (if a	ny)		DEC	2 6 2013	6	100	I MUS For C	Company	uQ	<u> </u>
		Fo	r Commiss	sion		CONSERV	ATION DIVISION CHITA, KS				cked by		

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 Miller 1-13
gas well 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 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:
RECEIVED KANSAS CORPORATION COMMISSION DEC 2 6 2013 CONSERVATION DIVISION WICHITA. KS Signature:

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.

W357

Miller 01-13

St. Francis

St. Francis

St. Francis

July-13

FloBoss

FIODOSS	Casing				HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE DOWN		
7/1/2013	53		39		8	6	
7/2/2013	55		39		8	9	
7/3/2013	53		39		8	13	4.25 min bt
7/4/2013	55		39	6.5	8	11	
7/5/2013	55	68	39	6.5	8	12	
7/6/2013	55	68	40	6.5	8	15	
7/7/2013	67	80	40	6.5	8	14	
7/8/2013	65	78	40	6.5	8	13	
7/9/2013	64	75	40	6.5	4	6	si for state test - cp 64
7/10/2013	112	76	0	6.5	4 24	6	reopened - cp 112
7/11/2013	64	77	53	6.5	8	14	-
7/12/2013	70	83	44	6.5	4	6	shut pumping unit off hfp
7/13/2013	73	86	41	6.5	0 2.5	5 0	
7/14/2013	76	89	42	6.5	0	0	
7/15/2013	56	69	41	6.5	4	6	restart pu
7/16/2013	53	66	40	6.5	8	12	treated well
7/17/2013	49	62	40	6.5	8	14	
7/18/2013	80	93	40	6.5	4	6	pu off hfp
7/19/2013	71	84	37	6.5	0	0	
7/20/2013	72	85	27	6.5	0	0	
7/21/2013	73	86	36	6.5	0	0	
7/22/2013	69		34	6.5	0	0	
7/23/2013	66	79	34	6.5	4		restart pu
7/24/2013	74	87	36	6.5	8	13	4.5 min bt
7/25/2013	77		36	6.5	4	6	pu off hfp
7/26/2013	65		36	6.5	4		restart pu
7/27/2013	53		37	6.5	8	13	
7/28/2013	54		37	6.5	8	12	
7/29/2013	53	66	38	6.5	8	13	
7/30/2013	93	106	39	6.5	4 3.5	6	pu off hfp
7/31/2013	105	118	26	6.5	0 5.5	0	

Total 1149 238

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WICHTA KS

W357 Miller 01-13 St. Francis St. Francis St. Francis

August-13 FloBoss

Total

FloBoss								
	Casing				Н	RS	Water	REMARKS
DATE	PSI	STATIC N	ICF	SPM	CYCLI D	OWN	BBLS	(Maximum length 110 characters)
8/1/2013	75	88	40	6.5				
8/2/2013	75	88	40	6.5				
8/3/2013	71	84	37	6.5				
8/4/2013	73	86	35	6.5				
8/5/2013	63	76	34	6.5				
8/6/2013	52	65	34	6.5	4		7	restart pu
8/7/2013	48	61	35	6.5	8		13	
8/8/2013	51	64	37	6.5	8		12	
8/9/2013	55	68	37	6.5	8		14	
8/10/2013	52	65	38	6.5	8		13	
8/11/2013	50	63	38	6.5	8		12	
8/12/2013	50		38	6.5	8		13	
8/13/2013	50	63	39	6.5	8		11	
8/14/2013	51	64	39	6.5	8		10	5.5 min bt greased
8/15/2013	52	65	39	6.5	8	0.5	12	
8/16/2013	62	75	39	6.5	8		13	
8/17/2013	62	75	39	6.5	8		14	
8/18/2013	63	76	40	6.5	8		13	
8/19/2013	65	78	40	6.5	4	1.5	6	
8/20/2013	87	100	38	6.5	0	1	0	
8/21/2013	84	97	36	6.5	0		0	
8/22/2013	87	100	38	6.5	0	5	0	
8/23/2013	69	82	38	6.5	0		0	
8/24/2013	81	94	36	6.5	0	1	0	
8/25/2013	86	99	31	6.5	0	1	0	
8/26/2013	52	65	34	6.5	4			started pumping unit
8/27/2013	49	62	34	6.5	8		12	
8/28/2013	47	60	36	6.5	8		13	
8/29/2013	89	102	36	6.5	4		6	pu off hfp
8/30/2013	84	97	32	6.5	0		0	
8/31/2013	85	98	32	6.5	0		0	

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CONSERVATION DIVISION WICHITA, KS

W357

Miller 01-13

St. Francis

St. Francis

St. Francis

September-13

FloBoss

Total

	Casing				HRS	Water	REMARKS
DATE	PSI	STATIC		SPM	CYCLEDOWN	BBLS	(Maximum length 110 characters
9/1/2013	107				1	-	
9/2/2013	91	104	31				
9/3/2013	114	127	36		22		
9/4/2013	118	131	2		10		
9/5/2013	114	127	6				
9/6/2013	87	100	45		1		
9/7/2013	92	105	38				
9/8/2013	90	103	38				
9/9/2013	93	106	36				
9/10/2013	97	110	31		2		
9/11/2013	113	126	29				
9/12/2013	119		9		18		
9/13/2013	87	100	34		4		
9/14/2013	71	84	43		2		
9/15/2013	81	94	34				
9/16/2013	62	75	34				
9/17/2013	51	64	32				
9/18/2013	49	62	31	6.5	4	5	restart pu
9/19/2013	45	58	34	6.5	8	10	
9/20/2013	32	45	35	6.5	8	11	
9/21/2013	36	48	35	6.5	8	12	
9/22/2013	60	73	36	6.5	8	11	
9/23/2013	62	75	36	6.5	8	10	
9/24/2013	53	66	36	6.5	4 4	5	pu off hfp
9/25/2013	85	98	30	6.5	0	0	
9/26/2013	70	83	35	6.5	0	0	
9/27/2013	50	63	33	6.5	4	5	restart pu treated well
9/28/2013	54	67	33	6.5	8	11	
9/29/2013	53	66	35	6.5	8	12	
9/30/2013	58	71	35	6.5	8	14	
10/1/2013	_	_					_

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RECEIVED KANSAS CORPORATION COMMISSION

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