KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:	100		(See Instruc	tions on Re	everse Side)				
Open Flow				Test Date:					l No. 15			
	eliverabilt			6/1/201					i no. 15 3-20545-00 0	0		
Company		ources, Inc.				Lease Moore				1-16	Well N	umber
County Location Cheyenne NWSW			Section TWP 16 2S				RNG (E/W) 42W			Acres Attributed 80		
Field Cherry (Creek		<u>. </u>	Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completi 1/30/200				Plug Bac 1871'	k Total Dep	th		Packer	Set at			
Casing S 4 1/2"	Casing Size Weight			Internal I 4.052	Diameter		-		rations 5'	To 1689	_{То} 1689'	
Tubing S	ize	Weigh	t	Internal Diameter Set at				Perforations				
		(Describe) ntional)		Type Flui	d Productio	n		Pump U flowin	nit or Traveling	Plunger? Yes	No)
Producin		Annulus / Tubing	3)	% C	Carbon Diox	ide		% Nitrog	gen	Gas G	iravity -	G _g
Vertical (Pres Flan	sure Taps qe					Run) (F	Prover) Size
	Buildup:	Shut in 6-1	2	0 15 at 2)Taken_6-	4	20	15 at 2:15		(AM) (PM)
Well on L	_ine:	Started 6-4	20	15 at 2	:15	(AM) (PM)	Taken 6-	5	20	15 at 3:00		(AM)(PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in_96	Hour
Static / Dynamic Property	ic Size Prover Pressure in		Differential	Flowing Well Head Temperature t t		(P_w) or (P_t) or (P_o)		Tubing Wellhead Pressure (P _{sr}) or (P ₁) or (P _c)		Duration (Hours)		id Produced (Barrels)
Shut-In		poig (*)	1101105 1120	_	<u>-</u>	190	204.4	psig	psia			
Flow	<u> </u>					66	80.4			96	0	
					FLOW STF	REAM ATTE	RIBUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension √ P _m x h	Gravity Factor F _g		Flowing Temperature Factor	Fa	ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
									5			
				(OPEN FL	OW) (DELIV	ERABILITY	() CALCUL	ATIONS		(P)² = 0.2	 207
(P _c) ² =		: (P _w) ² =	;	P _d =	· 	<u> </u>	P _c - 14.4) +	14.4 =	::_)2 =	
$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	De	pen Flow diverability s R x Antilog (Mcfd)
								l			<u></u>	
Open Flo	w		Mcfd @ 14.0	65 psia		Delivera	bility	_		Mcfd @ 14.65 p	sia	
	_	ned authority, or		-					ne above repo December	rt and that he h	as knov	vledge of 20 <u>15</u> .
		Witness (i	f any)		CCC IA	<i>(11/21</i> _1)**		ar	ully	- LUCO	riti	ug
	 _				KCC M	أفاة امتوسية	F 6" \(\int \)			<u></u>		
		For Comm	ission		ADD n	7 2050			Che	cked by		

APR 07 2016

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 Moore 1-16
gas well on the grounds that said well:
(Observe one)
(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
is not capable of producing at a daily rate in excess of 230 monb
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: _12/21/15
Date. 12/2 // 10
(
KCC WICHITA Signature: <u>Production Assistant</u> APR 07 2016 Title: <u>Production Assistant</u>
RECEIVED

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.

W2560

MASTER METER ID

Moore 1-16

MASTER METER NAME

West St. Francis

FIELD

R4

AREA

EQUIPMENT

June-15

DATE

FloBoss

	Line	Cas	ing			HRS	REMARKS
DATE	PSI	PSI		STATIC MCF		DOWN	(Maximum length 110 characters)
6/1/2015		129'	129	142	0		
6/2/2015		146	146	159	0		
6/3/2015		177	177		0	24	
6/4/2015		175	175	188	0	24	
6/5/2015	4	94	94		0		
6/6/2015	i	83 [!]	83		8		
6/7/2015	i	78	78	91	8	0	
6/8/2015		62	62	75	7	0	
6/9/2015	I	60	60	73	7	0	
6/10/2015		57	57		7		
6/11/2015		56	56		7		
6/12/2015	i	55 ¹	55		6		
6/13/2015	1	55	55		5		
6/14/2015		5 5	55	68	5	0	
6/15/2015		55,	55	68 ,	5	0	
6/16/2015	i	55	55	68	5	0	
6/17/2015	I	55	55	· ·	5	0	
6/18/2015	1	55	55		5,		
6/19/2015		67	67	80	7		
6/20/2015		100	100	113	1	22	
6/21/2015	ľ	90	90	103	5	0	
6/22/2015	I	52	52		5		
6/23/2015		53	53	66	5	0	
6/24/2015		<i>5</i> 3	53	66	5,		
6/25/2015	1	53	53		5,		
6/26/2015	1	53	53		5:		
6/27/2015	ı	53	53		5		
6/28/2015		54	54		5	0	
6/29/2015		54	54		5	0	
6/30/2015		54	54		5		
7/1/2015			0	13_		0	

Total 138

KCC WICHITA APR 0.7 2016 RECEIVED W2560

MASTER METER ID

Moore 1-16 MASTER METER NAME

West St. Francis

FIELD

R4

AREA

EQUIPMENT

July-15

DATE

FloBoss

	Line	Casii	ng]	HRS	REMARKS
DATE	PSI	PSI		STATIC MCF		DOWN	(Maximum length 110 characters)
7/1/2015		54	54		5.	0	
7/2/2015		54	54	67 ,	5'	0	
7/3/2015		54	54	67	5,	0	
7/4/2015		54'	54	67	5	0	
7/5/2015		54,	54	67 ₁	5	0	
7/6/2015		54,	54	67 ⁱ	5	2	
7/7/2015	1	541	54	67	5	0	
7/8/2015	1	102,	102	115	5	16	
7/9/2015		107	107	120	0	24	
7/10/2015	\ \	120¦	120		0	14	
7/11/2015		100	100	113	5'	0	
7/12/2015		84	84	97	7	0	
7/13/2015	ł	70'	70	83	7	0	
7/14/2015	į	54 [!]	54	67 [†]	7	0	
7/15/2015	i	54	54	67	7	0	
7/16/2015	1	55	55	68	7	0	
7/17/2015		54,	54	67,	7	0	
7/18/2015		53:	53	66	71	0	
7/19/2015	1	52	52	65	6'	0	
7/20/2015	•	52	52	65	6	0	
7/21/2015	1	54'	54	67	6	4	
7/22/2015	1	531	53	66	6	0	
7/23/2015		53	53	66	6	0	
7/24/2015		52	52	65	6	0	
7/25/2015		52	52	65	6	0	
7/26/2015	1	52 [‡]	52		6	0	
7/27/2015	1	52	52		6,	0	
7/28/2015		52	52	65	6.	0	
7/29/2015	1	51	51	64	6	0	
7/30/2015	1	51	51	64	6.	0	
7/31/2015	i	51	51	64,	6	0	

172 Total

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W2560

MASTER METER ID

Moore 1=16.

MASTER METER NAME

West St. Francis

FIELD

R4

AREA

August-15

EQUIPMENT DATE

FloBoss

	Line	Casing				RS	REMARKS
DATE	PSI	PSI	S	TATIC MCF	D	<u>own</u>	(Maximum length 110 characters)
8/1/2015	I	52	52	65,	6	0	
8/2/2015	1	52¦	52	65	6	0	
8/3/2015	i	53	53	66	6	0	
8/4/2015		51	51	64	6	0	
8/5/2015	i	51	51	64 ,	6	0	
8/6/2015	1	51	51	64.	6'	0	
8/7/2015	ł	52'	52	65	6¦	0	
8/8/2015		51	51	64	6	0	
8/9/2015		51	51	64	6	0	
8/10/2015	1	51	51	64 '	6	0	
8/11/2015		52	52	65	6;	0	
8/12/2015		52'	52	65	6.	0	
8/13/2015		52	52	65	6	0	
8/14/2015		52)	52	65 (6	0	
8/15/2015		53	53	66.	6	0	
8/16/2015		53	53	66	6.	0	
8/17/2015	i	52	52	65	6,	0	
8/18/2015	1	541	54	67 [‡]	6	0	
8/19/2015	1	53	53	66	6	0	
8/20/2015	1	53	53	66,	6,	0	
8/21/2015		53	53	66'	6	0	
8/22/2015	: 1	53	53	66 ₁	6 ;	0	
8/23/2015		53	53	66	6,	0	
8/24/2015	i	53	53	66 [°]	6,	0	
8/25/2015	1	55 .'	55	68 1	6	0	
8/26/2015		54	54	67	6.	0	
8/27/2015	i	53:	53	66	6	0	
8/28/2015	ı	53	53	66	6	0	
8/29/2015		54	54	67	6	0	
8/30/2015		57	57	70	6 ,	0	
8/31/2015	I	581	58	71	6	0	

Total 186

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