KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		** T		(See Instruct	tions on Re	everse Side)				
□ Ор	en Flo	w d	XI		Test Date	,.			APi	No. 15			
De	liverab	ilty			6/22/14					-20683-00 0	D		
Company Rosewoo	od Re	soui	rces, Inc.				Lease Ella Ma	ie		_	32-04	Well Number	r
County Cheyenr	ne		Locati SWNE	on	Section 4		TWP 3S		RNG (E/ 42W	W)		Acres Attrib	uted
Field Cherry C	Creek		•		Reservoir Niobrara					hering Conn Systems In			
Completic 2/14/200		е			Plug Bac 1867'	k Total Dept	th		Packer S	et at			
Casing Si 4 1/2"	ize		Weigh 10.5#		Internal C	Diameter	Set 186		Perfo 160	rations 4'	To 1632'		
Tubing Si	ze		Weigh	t	Internal D	Diameter	Set	at	Perfo	rations	То		
Type Con Single (Type Flui	d Production	n			it or Traveling	Plunger? Yes) No	
			rulus / Tubing	3)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	
Annulus											6		
Vertical D 1874'	epth(i-	()				Pres: Flan	sure Taps ge		_		(Meter 1 2"	Run) (Prover) Size
Pressure	Buildu	p: :	Shut in <u>6-7</u>	2	0_14_at_1	:10	(AM) (PM)	Taken_6-	-18		14 at 1:25	(AM)	(PM)
Well on L			Started 6-2	22	0 <u>14</u> at <u>1</u>	:25	(AM) (PM)	Taken 6-	23	20	14 at 2:10	(AM)	PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in_} 360	_Hours
Static / Dynamic	Orifi Siz	е	Circle one: Meter Prover Pressu	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	sing I Pressure P _e) or (P _e)	Wellhe	ubing ad Pressure (P _I) or (P _E)	Duration (Hours)	Liquid Pro	L
Property Shut-In	(inch	es)	psig (Pm)	Inches H ₂ 0			psig 138	psia	psig	psia			
Flow							45	59.4	-		360	0	
			L			FLOW STR	LEAM ATT	RIBUTES			<u> </u>	<u></u>	
Plate			Circle one:	Press	Crr.		Flowing		intina	Manager of Chan	v GOR	Fi	owing
Coeffied	ient	Pro	Meter or over Pressure	Extension	Grav Fac	tor	Temperature Factor		riation actor	Metered Flov R	(Cubic Fe	ien, G	Fluid ravity
(F _b) (F Mcfd		110	psla	✓ P _m xh	F,	1	Fn	ļ F	pv	(Mcfd)	Barrel)		G _m
										9			
					(OPEN FL	OW) (DELIV	ERABILITY	/) CALCUL	ATIONS		(P.)	²= 0.207	
(P _c) ² =		_:	(P _w) ² =	:	P _d =		% (P _c - 14.4) +	14.4 =	:	(P _d)		_
(P _c) ² - (F or (P _c) ² - (F	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Sid CA	essure Curve	n x LOG		Antilog	Open F Deliveral Equals R x (Mcfc	bility Antilog
			_	divided by: P _c ² -P _w	by:		Sian	dard Slope				<u> </u>	
					 				_				
Open Flor	w			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 ps	ia	
The i	unders	igne	d authority, o	n behalf of the	Company, s	states that h	e is duly a				ort and that he ha	ıs knowledge	e of
the facts s	tated t	herei	in, and that sa	aid report is true	e and correc			10		ecember		20 _	4
			Witness (f any)		Receive	N COMMISSIO	N S	an	MUL For	TMOUL Company	May	_
					F	EB 25	2015				cked by		
			For Comm	ission						Che	cked by		

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the foregoi	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.
• •	st a one-year exemption from open flow testing for theElla Mae 32-04
i:	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
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/10/14	to obtrouch and orders for exemption restricts.
	Received
F	CORPORATION COMMISSION FEB 2 5 2015 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.

W2425 Ella Mae 32-04 West St. Francis St. Francis None June-14

	Casing					HRS	Water
DATE	PSI	STATIC MCF	SPM		CYCLE	DOWN	BBLS
6/1/2014	51	64	9	7	12	0	2
6/2/2014	66	79	8	7	12	0	2:
6/3/2014	56	69	9	7	12	0	2
6/4/2014	82	95	8	7	12	0	20
6/5/2014	42	55	7	7	12	0	2
6/6/2014	45	58	6	7	0	0	(
6/7/2014	123	136	0	7	0	9	(
6/8/2014	126	139	0		0	24	(
6/9/2014	129	142	0		0	24	(
6/10/2014	136	149	0		0	24	(
6/11/2014	137	150	0			24	
6/12/2014	140	153	0			24	
6/13/2014	141	154	0			24	
6/14/2014	135	148	0			24	
6/15/2014	136	149	0			24	
6/16/2014	137	150	0			24	
6/17/2014	137	150	0			24	
6/18/2014	138	151	0			24	
6/19/2014	138	151	0			24	
6/20/2014	138	151	0			24	
6/21/2014	138	151	0			24	
6/22/2014	138	151	0			24	
6/23/2014	114	127	0			5	
6/24/2014	109	122	0			0	
6/25/2014	96	109	4			0	
6/26/2014	87	100	7			0	
6/27/2014	79	92	7			0	
6/28/2014	48	61	6			0	
6/29/2014	47	60	5			0	
6/30/2014	46	59	5			0	
7/1/2014						0	

Total 81 105

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

W2425 Ella Mae 32-04 West St. Francis St. Francis None July-14

	Casing						HRS		Water	REMARKS
DATE	PSI	STATIC	MCF	SPM		CYCLE	DOWN		BBLS	(Maximum length 110 characters)
7/1/2014		7 6	0	5	7	12	- 1	0	20	-
7/2/2014	4	17 6	0	5	7	12		0	21	changed battery and diode
7/3/2014	4	17 6	0	0	7	12	(0	22	-
7/4/2014	4	17 6	0	5	7	12		0	21	
7/5/2014	4	60 6	3	5	7	12	1	0	20	
7/6/2014	4	50 6	3	5	7	12	(0	21	
7/7/2014	(53 7	6	6	7	12	(0	22	
7/8/2014	4	51 6	4	7	7	12	(0	21	
7/9/2014	:	51 6	4	7	7	12	(0	20	
7/10/2014	:	52 6	5	7	7	12	(0	21	
7/11/2014		54 6	7	8	7	12	(0	22	
7/12/2014	5	54 6	7	8	7	12	(0	21	
7/13/2014		55 6	8	8	7	12	(0	20	
7/14/2014	1	34 9	7	8	7	12	(0	21	
7/15/2014	4	15 S	8	8	7	12	(0	22	
7/16/2014	4	15 5	8	8	7	12	(0	21	
7/17/2014	. 4	16 5	9	8	7	12	(0	20	
7/18/2014	4	16 5	9	8	7	12	(0	20	pu off, disposal down
7/19/2014	4	14 5	7	3	7	12	(0	0	-
7/20/2014	4	14 5	7	3	7	12	(0	20	turn on pu
7/21/2014	10	6 12	9	3	7	6	(0	10	pu off, hfp
7/22/2014	13	39 15	2	3	7	0	2	2	0	
7/23/2014	•	76 8	9	1	7	0		7	0	
7/24/2014	4	54 6	7	0	7	0		3	0	
7/25/2014	4	2 5	5	7	7	6		4	0	started pumping unit
7/26/2014	4	13 5	6	7	7	12	(0	20	-
7/27/2014	4	13 5	6	8	7	12	1	0	19	
7/28/2014	3	38 5	1	7	7	12	(0	18	
7/29/2014	3	32 4	5	8	7	12	(0	19	
7/30/2014	2	31 4	4	8	7	12	(0	20	
7/31/2014	:	31 4	4	8	7	12	(0	21	

Total 182 523

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

W2425 Ella Mae 32-04 West St. Francis St. Francis None August-14

Casing						HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2014	31	44	8		7 12	. (20	
8/2/2014	31	44	8	7	7 12	. () 19	
8/3/2014	30	43	9	7	7 12	. (20	
8/4/2014	47	60	9	7	7 12	. () 19	
8/5/2014	47	60	9	7	7 12	. () 18	
8/6/2014	48	61	9	7	7 12	. () 19	
8/7/2014	49	62	9	-	7 12	: (20	
8/8/2014	50	63	9		7 12	. () 19	
8/9/2014	50	63	9	7	7 12	() 18	
8/10/2014	52	65			7 12	. () 17	
8/11/2014	48	61	9	7	7 12	. (18	
8/12/2014	39	52	9	7	7 12	. () 19	
8/13/2014	30				7 12	. (tighten packing and changed check valve
8/14/2014	29	42	9	•	7 12	: () 19	
8/15/2014	45	58	9	7	7 12	3	3 13	
8/16/2014	28	41	8	7	7 12	() 19	
8/17/2014	28	41	8	7	7 12	. () 17	
8/18/2014	28	41	9	,	7 12	. () 20	
8/19/2014	43	56	9		7 12	:	2 20	
8/20/2014	38	51	9	•	7 12	: () 10	
8/21/2014	28	41	9	7	7 12	. (20	
8/22/2014	48	61	10	7	7 12	. () 18	
8/23/2014	44	57	9	7	7 12	. () 19	
8/24/2014	47	60	9	7	7 12	. () 20	bucket test 4 min
8/25/2014	65	78	9	7	7 12	. (21	
8/26/2014	49	62	-		7 12			
8/27/2014	51	64	10			. () 19	
8/28/2014	49	62	9	7	7 6	() 9	pu off hfp
8/29/2014	43	56	8	7	7 6			restarted
8/30/2014	43	56	8	7	7 12	. () 19	
8/31/2014	59	72	8	-	7 12	. (20	

Total 274 549

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015