KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	DET		(See Instruc	tions on Re	verse Side	9)					
	en Flow	•		Test Date	ə:			AP	l No. 15				
De	eliverabilt	y 		6/10/20	13			02	3 - 20565-00 (0			
Company Rosewo		ources, Inc.				Lease Zweyg a	rdt			1-24	Well Number		
					Section TWP 24 3S				E/W)		Acres Attributed 80		
Field Cherry (Creek			Reservoi Niobrara					thering Conn				
Completion 7-10-200				Plug Bac 1368'	k Total Dep	th		Packer	Set at				
Casing Size Weight !				Internal I 4.052	Internal Diameter Set at 4.052 1411'				orations 6'	то 1254'			
Tubing S NONE	ize	Weig	ht	Internal I	Diameter	Set a	ıt	Perf	orations	То			
Type Con Single ((Describe) ntional)		Type Flui Dry Ga	d Production	n			nit or Traveling	Plunger? Yes) No		
Producing		Annulus / Tubir	g)	% C	arbon Dioxi	de		% Nitro		Gas Gr	avity - G _g		
Vertical D		-	_		Pres Flan	sure Taps					Run) (Prover) Size		
Pressure	Buildup:	Shut in 6-9)	13 at 9		(AM)(PM)	Taken 6-	10	20	13 _{at} 9:45	(AM)(PM)		
Well on L	ine:	Started 6-1	0 2	0 <u>13</u> at 9		(AM)(PM)			20	13 at 10:30	(AM) (PM)		
					OBSERVE	D SURFACE	DATA			Duration of Shut-	n 24 Hours		
Static / Orifice Dynamic Size Property (inches)		Meter Differential Te		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_a)$		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		poig (i iii)	mones 11 ₂ 0			psig 100	114.4	psig	psia				
Flow						58	72.4			24			
					FLOW STR	EAM ATTRI	BUTES						
Plate Coeffieci (F _b) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _g	tor 1	Flowing Femperature Factor F _{f1}	Fa	ation ctor	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m		
									36				
	-			(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	•	(D.)	- 0.307		
(P _c) ² =		(P _w) ² =	::	P _d =	9	% (P	_c - 14.4) +	14.4 =	:	(P _d) ²	= 0.207		
(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 divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slop Ass	sure Curve e = "n" or igned ird Slope	nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
0	\												
Open Flov			Mcfd @ 14.			Deliverabi				Mcfd @ 14.65 psi			
			n behalf of the aid report is true						ne above repo lovember	rt and that he ha	40		
						RECEIVE CORPORATIO		_	MILL	Mici	1,20 13 tuly		
		Witness (if any)				(SICIN	For C	Company			
		For Comm	nission			DEC 26	2013		Chec	cked by			

CONSERVATION DIVISION WICHITA, KS

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 Zweygardt 1-24 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: 11/21/13
Daniel Marton
Signature: CMWW MOCTALY RECEIVED KANSAS CORPORATION COMMISSIDIALE: Production Assistant
DEC 2 6 2013
CONSERVATION CHUISIAN. WICHITA, KS

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.

W384

Zweygardt 01-24

St. Francis

St. Francis

None

June-13

FloBoss

Total

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC				OOWN		
6/1/2013	49						2	
6/2/2013	53	66	37	7.5	1		3	
6/3/2013	51	64	39	7.5	1		1	
6/4/2013	49	62	39	7.5	1		2	
6/5/2013	56	69	37	7.5	1		2	3.5 min bt
6/6/2013	62	75	38	7.5	1		3	
6/7/2013	58	71	38	7.5	1		4	
6/8/2013	54	67	38	7.5	1		2	
6/9/2013	57	70	. 38	7.5	0.5		1	si for state test - cp 56
6/10/2013	88	101	0	7.5	0.5	24	1	reopened - cp 100
6/11/2013	77	90	34	7.5	0.5	1	1	pu off hfp
6/12/2013	76	89	34	7.5	0		0	
6/13/2013	58	71	44	7.5	0.5		1	restart pu
6/14/2013	58	71	44	7.5	1		2	
6/15/2013	62	75	37	7.5	1		3	
6/16/2013	64	77	37	7.5	1		2	
6/17/2013	59	72	37	7.5	0.5		1	pu off
6/18/2013	54	67	40	7.5	0		0	
6/19/2013	51	64	41	7.5	0.5		1	restart pu
6/20/2013	56	69	38	7.5	1		2	
6/21/2013	63	76	35	7.5	1		2	3.5 min bt greased
6/22/2013	77	90	31	7.5	1		1	
6/23/2013	81	94	27	7.5	0.5		1	pu off hfp
6/24/2013	78	91	30	7.5	0		0	
6/25/2013	82	95	28	7.5	0		0	
6/26/2013	80	93	30	7.5	0		0	
6/27/2013	64	77	35	7.5	1		1	restart pu
6/28/2013	54	67	41	7.5	1		2	
6/29/2013	54	67	38	7.5	1		1	
6/30/2013	54	67	37	7.5	1		2	
7/1/2013								

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RECEIVED
KANSAS CORPORATION COMMISSION

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DEC 2 6 2013

Conservation division Wichita, KS

W384

Zweygardt 01-24

St. Francis

St. Francis

None

July-13

FloBoss

FloBoss								
	Casing					RS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLED	OWN	BBLS	(Maximum length 110 characters
7/1/2013	56	69	36	7.5	1		2	
7/2/2013	58	71	36	7.5	1		3	
7/3/2013	56	69	35	7.5	1		1	
· 7/4/2013	58	71	34	7.5	1		3	
7/5/2013	58	71	35	7.5	1		2	treated well
7/6/2013	59	71	34	7.5	1		2	
7/7/2013	70	83	32	7.5	1		1	
7/8/2013	68	81	33	7.5	1		1	
7/9/2013	66	79	33	7.5	1		2	4.5 min bt
7/10/2013	63	76	35	7.5	1		2	
7/11/2013	66	79	33	7.5	1		1	
7/12/2013	72	85	31	7.5	0.5		1	shut pumping unit off hfp
7/13/2013	75	88	27	7.5	0	2.5	0	
7/14/2013	78	91	31	7.5	0		0	
7/15/2013	58	71	39	7.5	1		2	started pu
7/16/2013	55	68	36	7.5	1		1	
7/17/2013	53	66	38	7.5	1		2	4 min bt greased
7/18/2013	81	94	30	7.5	0.5		1	pu off hfp
7/19/2013	73	86	30	7.5	0		0	
7/20/2013	75	88	32	7.5	0		0	
7/21/2013	76	89	33	7.5	0		0	
7/22/2013	71	84	32	7.5	0		0	
7/23/2013	69	82	36	7.5	0.5		1	restart pu
7/24/2013	76	89	31	7.5	1		2	
7/25/2013	79	92	29	7.5	0.5		1	pu off hfp
7/26/2013	68	81	33	7.5	0.5		1	restart pu, didn't wait for water
7/27/2013	57	70	36	7.5	1		2	
7/28/2013	59	72	34	7.5	1		1	
7/29/2013	57	70	34	7.5	1		1	
7/30/2013	76	89	34	7.5	0.5	3.5	1	pu off hfp
7/31/2013	95	108	11	7.5	0	5.5		-

Total 1013 37



W384

Zweygardt 01-24

St. Francis

St. Francis

None

August-13

FloBoss

Total

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC N	ICF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 character
8/1/2013	79	92	22	7.5				
8/2/2013	78	91	33	7.5				
8/3/2013	74	87	37	7.5				
8/4/2013	75	88	40	7.5				
8/5/2013	66	79	36	7.5				
8/6/2013	57	70	37	7.5				
8/7/2013	52	65	36	7.5	0.5		1	restart pu
8/8/2013	55	68	34	7.5	1		2	
8/9/2013	58	71	32	7.5	1		2	
8/10/2013	57	70	32	7.5	1		1	
8/11/2013	55	68	34	7.5	1		2	
8/12/2013	54	67	35	7.5	1		1	
8/13/2013	55	68	35	7.5	1		3	
8/14/2013	55	68	34	7.5	1		2	4.25 min bt greased
8/15/2013	56	69	34	7.5	1	0.5	3	
8/16/2013	65	78	30	7.5	1		2	
8/17/2013	66	79	32	7.5	1		1	
8/18/2013	66	79	32	7.5	1		2	
8/19/2013	68	80	32	7.5	0.5	1.5	1	
8/20/2013	89	102	25	7.5	0	1	0	
8/21/2013	86	99	18	7.5	0		0	
8/22/2013	89	102	24	7.5	0	5	0	
8/23/2013	75	88	23	7.5	0		0	
8/24/2013	83	96	42	7.5	0	1	0	
8/25/2013	89	102	20	7.5	0	1	0	
8/26/2013	57	70	32	7.5	0		0	
8/27/2013	53	66	39	7.5	0		0	switch on panel off so I left off
8/28/2013	52	65	37	7.5	0.5			restart pu
8/29/2013	87	100	29	7.5	0.5	1	1	pu off hfp
8/30/2013	86	99	21	7.5	0		0	•
8/31/2013	87	100	21	7.5	0		0	

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