Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

1

Type Test	::			6	See Instruc	tions on Re	verse Side)				
□ Op	en Flow	DEST		T1 D1				4.51	N- 45			
$\overline{}$	liverabilty			Test Date 7/9/2015					No. 15 -21261-00 0	o		
Company		urces, Inc.		_		Lease Zweyga	rdt			24-19	Well Number	
County Location S Cheyenne SESW						TWP 3S		RNG (E/	W)		Acres Attributed	
Field Cherry C		 -		Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completic 9/15/201	on Date	 ,		Plug Bac 1465'	k Total Dep	th		Packer S	et at			
Casing Si 4 1/2"	ize	Weig 10.5	•	Internal E	Diameter	Set a		Perfo 126	rations 5'	To 1296'	то 1296'	
Tubing Si	ize	Wei		Internal D	Diameter	Set a	at	Perfo	rations	То		
Type Con Single (Type Flui- Dry Ga	d Productio	n		Pump Ur	it or Traveling	Plunger? Yes	No	
	Thru (A	nnulus / Tubi	ng)		arbon Diox	ide		% Nitrog	<u> </u>	Gas Gı	Gas Gravity - G	
Vertical D					Pres	sure Taps					Run) (Prover) Size	
1515'					Flan	•				2"		
Pressure	Buildup:	Shut in _7-	9	15 at 6	:10	(AM)(PM)	Taken 7-	10	20	15 _{at} 6:25	(AM(PM)	
Well on L	ine:	Started 7-	10	20 15 at 6	:25	(AM) (PM)	Taken 7-	11	20	15 at 6:45	(AM)(PM)	
	•				OBSERVE	D SURFAC	E DATA			Duration of Shut	-inHou	
Static / Dynamic Property	tatic / Orifice Meter Differe		Differential in	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhe	ubling ad Pressure (P _i) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Pri) Inches H ₂ 0			173	psia 187.4	psig	psia		 _	
Flow						51	65.4			24		
					FLOW ST	REAM ATTR	IBUTES					
Plate Coeffiec (F _b) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	er or Extension		rity	Temperature F		iation ictor e	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	l Gravity	
									49			
(P _c) ² =		/P)2	=:	(OPEN FL		/ERABILITY % (F) CALCUL			(P _a)) ² = 0.207 1 ² =	
\ <u>'</u>		(' w/	Choose formula 1 or			_	ssure Curve	_	 `	,	T	
or 2. P _o ² - F		1. P _c ² -P _s ² 2. P _c ² -P _s ²	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Slo	pe ≈ "n" - or signed ard Slope	n x 106		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			divided by: Pc2-P	2 by:	<u> </u>	Siano						
	_		11 (10 %)								:-	
Open Flo			Mcfd @ 14			Deliverab	<u> </u>			Mcfd @ 14.65 ps		
	-		on behalf of the said report is tru							ort and that he ha	oo 15	
								Tas		mai	terry	
		Witnes	s (if any)	- NC	DD 0 ⊒ \⊘ 441 6	ATIHC	7		For	Company		
		For Co.	nmission	A	PR-07	ZU10 -			Che	cked by		

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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 24-19 gas well on the grounds that said well:
(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
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: 12/18/15
KCC WICHITA Signature: Canall Martury Title: Production Assistant 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.

W2742 Zwsygard024119.11

St. Francis

St. Francis

Flow

July-15

FloBoss	Tubing	Casing			_			HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2015		- 4	.9	52	56	5	24	0	33	3
7/2/2015		4	9	52	56	5	24	0	33	3
7/3/2015		5	i 1	54	56	5	24	0	33	3
7/4/2015		5	2	55	56	5	24	0	33	}
7/5/2015		5	2	55	56	5	24	0	33	;
7/6/2015		5	31	54	54	5	24	2	. 33	;
7/7/2015		9	1	64	54	5	24	0	33	3
7/8/2015		5	51	54	52	5	24	16	33	turn off p u
7/9/2015		7	1	84	2	5	24	24		
7/10/2015		17	73 1	86	0	5	24	14	. ()
7/11/2015		g	9 1	12	46	5	24	0) ()
7/12/2015		7	76	89	70	5	24	0) ()
7/13/2015		(50	73	59	5	24	C) (restarted pu
7/14/2015		3	52	65	59	5	24	0	33	3
7/15/2015		4	53	66	61	5	24	0	i 33	3
7/16/2015		4		64	55	5	24	0		
7/17/2015		4	51	64	50	5	24	0	33	3
7/18/2015			50	63	48	5	24	C	33	3
7/19/2015		4	19	62	47	5	24		33	3
7/20/2015		4	19	62	46	5	24) 33	3 pu off
7/21/2015		:	52	65	45	5	24	. 2		
7/22/2015		4	19	62	45	5	24	. (
7/23/2015		4	19	62	43	5	24	. (33	3
7/24/2015		4	19	62	43	5	24) 33	3
7/25/2015		4	19	62	43	5	24		33	3
7/26/2015		4	19	62	43	5	24		33	3
7/27/2015		2	18	61	42	5	24	. (33	3
7/28/2015		4	18	61	41	5	_ 24		33	3
7/29/2015				61	41	5	24			
7/30/2015		4	18	61	41	5	24	. (
7/31/2015				61	41	5	24	(
Total					1451				858	Q

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St. Francis

St. Francis

Flow

August-15

FloBoss

	Tubing	Casing						HRS	Water		REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	(CYCLE	DOWN	BBLS		(Maximum length 110 characters)
8/1/2015			17 60)	53	5	24		0	34	
8/2/2015		4	1 7 60)	54	5	12		0	18	Motor down
8/3/2015		4	18 61		48	5	0		0	0	
8/4/2015		4	17 60)	45	5	0		0	0	
8/5/2015		2	17 60)	43	5	0		0	0	
8/6/2015		2	17 60)	42	5	0		0	0	
8/7/2015		4	17 60)	42	5	0		0	0	
8/8/2015		4	18 61		41	5	0		0	0	
8/9/2015		2	19 62	<u> </u>	41	5	0		0	0	
8/10/2015		4	51 64		41	5	0		0	0	
8/11/2015		5	53 66	i	41	5	0		0	0	
8/12/2015		4	53 <i>6</i> 6	í	41	5	0		0	0	
8/13/2015		:	53 6 (j	40	5	0		0	0	
8/14/2015			53 66	ó	40				0		
8/15/2015			54 67	7	40				0		
8/16/2015			55 68	}	40				0		
8/17/2015		-	55 68	3	40				0		
8/18/2015			54 67	,	40				0		
8/19/2015		:	53 66	;	40	5	12		0	17	turn on p u put on tag, check tomorroy
8/20/2015		:	53 66	5	40	5	12		0	33	· · -
8/21/2015		:	54 67	7	40	5	12		0	33	
8/22/2015		:	54 67	7	40	5	12		0	33	
8/23/2015		:	54 67	7	40	5	12		0	33	
8/24/2015		:	53 66	5	38	-5	12		0	33	
8/25/2015			54 63	7	38	5	12		0	33	
8/26/2015		:	54 67	7	38	5	12		0	33	
8/27/2015		:	54 67	,	38	5	12		0	33	
8/28/2015		:	54 67	,	38	5.	12		0	33	
8/29/2015		5	54 67	,	38	5	12		0	33	
8/30/2015		:	54 67	7	38	5	12		4	33	
8/31/2015		:	54 63	7	38	5	12		0	33	

Total 1276 465

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W2742

Zweygardt24-19

St. Francis

St. Francis

Flow

September-15

FloBoss

FloBoss										
	Tubing	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		YCLE_	DOWN	BBLS	(Maximum length 110 characters)
9/1/2015		50	6:	3	37	5	24		0 33	
9/2/2015		48	6	1	37	5	24		0 33	
9/3/2015		52	? 6.	5	20	5	24		0 33	
9/4/2015		52	6	5	33	5	24		0 33	•
9/5/2015		61	. 7 -	4	38	5	24		0 33	•
9/6/2015		70	8.	3	42	5	24		0 33	;
9/7/2015		60	7.	3	45	5	24		0 33	;
9/8/2015		59	7:	2	47	5	24		0 33)
9/9/2015		51	. 64	4	49	5	24		0 33	ı
9/10/2015		51	. 6	4	49	5	24		0 33)
9/11/2015		51	. 6-	4	49	5	24		0 33	ı
9/12/2015		51	. 6	4	49	5	24		0 33	i
9/13/2015		51	. 6	4	49	5	24		0 33	í
9/14/2015		51	6-	4	49	5	24	i	0 33	1
9/15/2015		51	. 6	4	49	5	24		0 33)
9/16/2015		51	6	4	49	5	24		0 33	ı
9/17/2015		51	. 6	4	49	5	24		0 33	ı
9/18/2015		51	. 6	4	49	5	24		0 33	í
9/19/2015		51	6-	4	49	5	24	(33	
9/20/2015		51	. 6	4	49	5	24	(33	
9/21/2015		51	. 64	4	49	5	24	į	0 33	ı
9/22/2015		51	. 64	4	49	5	24		0 33	,
9/23/2015		51	. 6	4	49	5	24	•	0 33	,
9/24/2015		51	. 64	4	49	5	24	1	0 33	
9/25/2015		51	. 6-	4	49	5	24	(0 33)
9/26/2015		51	. 6	4	49	5	24		0 33	ı
9/27/2015		51	. 6	4	49	5	24		0 33	ı
9/28/2015		51	. 6-	4	49	5	24		0 33)
9/29/2015		51	. 64	4	49	5	24	į	33	
9/30/2015		51	64	4	49	5	24	(33	
10/1/2015			1.	3				(0	

Total 1377 990

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