KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	tXT_		(See Instruc	tions on Rev	rerse Side	9)					
	en Flow	IN-T		Test Date	a:			API	l No. 15				
De	eliverabilty —	_		6/1/201					3-20554-000	00			
Company		urces, Inc.				Lease Northru)			2-33	Well N	umber	
County	ne	Location SWSE	on	Section 33		TWP 2S		RNG (E 42W	(W)	Acres Attributed			
Field Cherry (Creek			Reservoir Niobrara		_			thering Conn Systems In			_	
Completi 7-15-20				Plug Bac 1815'	k Total Dep	th		Packer \$	Set at	· · · · ·			
Casing S 4 1/2"	Size	Weigh 10.5#		Internal E 4.052	Diameter	Set a 1820		Perfo	rations 0'	 To 1634	то 1634'		
Tubing S	ize	Weigh	t	Internal I	Diameter	Set a	t	Perfo	rations	То			
	mpletion (I			Type Flui Dry Ga	d Production	n			nit or Traveling	g Plunger? Ye	s)/ No		
	g Thru (A	nnulus / Tubing))		arbon Dioxi	de		% Nitrog		Gas .6	Gravity -	G _g	
Vertical E					Pres	sure Taps					r Run) (F	rover) Size	
1634'					Flan	ge				2"			
Pressure	Buildup:	Shut in _6-1		0 15 at 1		(PM)				15 at 11:5		(АМ)РМ)	
Well on L	ine:	Started 6-4	20	15 at 1	1:50	(PM)	Taken <u>6-</u>	5	20	15 at 1:40		(AM)(PM)	
					OBSERVE	D SURFACE	DATA		<u>_</u>	Duration of Sh	_{ut-in} _96	Hours	
Static / Dynamic Property	Dynamic Size Prover Pressure in		Differential re in	Flowing Temperature t	Well Head Temperature	Casi Wellhead I (P _w) or (P _c	Pressure	Wellhe	fubing ad Pressure r (P _t) or (P _c)	Duration (Hours)		id Produced (Barrels)	
Shut-in	(inches)	psig (Pm)	Inches H ₂ 0		<u> </u>	psig	psia 193.4	psig	psia	<u> </u>	 - -		
Flow			-			46	60.4		-	96	0	<u>. </u>	
					FLOW STR	EAM ATTRI	BUTES						
Dravar Process		Press Extension P _m x h	Grav Fact	tor 1	Flowing femperature Factor F _{ft}	Fa	ation Metered Flor ctor R (Mcfd)		w GO (Cubic Barr	Feet/	Flowing Fluid Gravity G _m		
									8				
/D \2	_	(D.)2 —		-		ERABILITY)					$(a_a)^2 = 0.2$	207	
(P _c) ² =			Choose formula 1 or 2:	P_=	==		<u>- 14.4) +</u>	<u> </u>	 -		(_d) ² =		
(P _c) ² - (I	- 1	(P _c)²- (P _w)²	 P_c² - P_a² P_c² - P_c² fivided by: P_c² - P_c² 	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slop	sure Curve e = "n" or igned ird Slope	. אמ	LOG	Antilog	De Equal:	pen Flow liverability s R x Antilog (Mcfd)	
					<u></u>					-			
Open Flo	w		Mcfd @ 14.6	65 psia		Deliverabí	lity	_		Mcfd @ 14.65 (osia		
	_	•				· .			-	ort and that he		=	
the facts s	tated there	ein, and that sa	id report is true	and correct	t. Executed	this the 21		day of	ecember	. / 1.1		20 <u>15</u> .	
			any)	-KC	C WIC	HITA-		Del	<u>CHOLL</u>	Company	eili	ry	
		For Commi	SSion	<u></u> _ Δ F	R 07 2	2016 -			Che	cked by		—–—	
		FOI COUNTY		- 41					Offe	and 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 Northrup 2-33
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: 12/21/15
KCC WICHITA Signature: Signature: Martine Production Assistant APR 0 7 2016 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.

W363

WELL ID

Northrup 2-33

LEASE NAME

West St. Francis

FIELD

St. Francis

AREA

Pumping Unit/Elec EQUIPMENT

June-15

DATE

	Line	Casing		-		_		HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	_ (CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2015	13'	7 13	7 150)	0	0	0	24	_ 0)
6/2/2015	144	4 14	4 157	,	0	0	0	24	0	PU OFF - HFP
6/3/2015	173	2 17	2 185	;	0	0	0	24	0)
6/4/2015	179	9 17	9 192	2	0	0	0	24	0)
6/5/2015	11'	7 11	7 130)	8	0	0	0	0)
6/6/2015	8	1 8	1 94	ļ	7	6	12	0	0	turn on p u
6/7/2015	74	4 7	4 87	•	7	6	12	0	12	•
6/8/2015	6:	5 6	5! 78	3	8	6	12	0	12	
6/9/2015	50	0 5	0, 63		8	6	12	0	12	
6/10/2015	49	9 4	9 62	!	8	6	12	0	13	i
6/11/2015	4		8 61		8	6	12	0	13	\
6/12/2015	41	7 4	7 60)	9	6	12	0	13	ł
6/13/2015	40	6 4	6' 59)	9	6	12	0	12	!
6/14/2015	40	6 4	6 59) ,	8	6	12	0	13	;
6/15/2015	40	6 4	6 59)	8	6	12	0	12	
6/16/2015	40	6 4	6. 59)	9	6	12	0	12	
6/17/2015	46	6 4	6 59)	8	6	12	0	11	
6/18/2015	4'	7 4	7 [;] 60)	8	6	12	0	11	
6/19/2015	6	1 6	1 74	,	8	6	6	2	6	i
6/20/2015	114	4 11	4 127	,	8	6	0	22	0	1
6/21/2015	103	3 10	3 116	;	9	6	0	0	0)
6/22/2015	59	9 5	9 72	;	8	6	6	0	6	started pu
6/23/2015	4	4 4	4 57	,	8	6	12	0	12	
6/24/2015	4:	5 4	5 58	}	8	6	12	0	12	!
6/25/2015	4:	5 4	5 58	}	8	6	12	0	12	!
6/26/2015	4:	5 4	5 58		8	6	12	0	12	
6/27/2015	4:	5 4	5 58		8	6	12	0	12	
6/28/2015	4:	5 4	5 58	;	9	6	12	0	12	
6/29/2015	4:	5 4	5 58	}	9	6	12	0	12	!
6/30/2015	4:	5 4	5 58	3	8	6	12	0	12	
7/1/2015	-13	3 -1	3 0		0			0		

Total 212 254

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W363 WELL ID LEASE NAME

West St. Francis FIELD

St. Francis

AREA

Pumping Unit/Elec EQUIPMENT

July-15

DATE

	Line	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	(CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2015	4	5 4	5 5	3	8	6	12		12	
7/2/2015	4	5 4	5 51	3	9	6	12	. (12	
7/3/2015	4		5 5	3	9	6	12	. (12	
7/4/2015	4	5 4	5 5	3	9	6	12	. (12	
7/5/2015	4	6 4	6 59)	9	6	12	. (12	
7/6/2015	5	4 5	4 6'	7	9	6	12	. 2	. 13	
7/7/2015	4	5 4	5 58	3	8	6	12	. (12	
7/8/2015	4	5 4	5 5	3	8	6	6	16	7	turned off for comp work
7/9/2015	12	6 12	6 139)	7	6	0	24	0	flowing 7 big joe must be set high
7/10/2015	16	6 16	6 179)	7	6	0	14	0	
7/11/2015	11	6 11	6 129)	8	6	0	(0	
7/12/2015	7	8 7	8 9	1	7	6	0	(0	
7/13/2015	6	5 6	5 78	3	7 ·	6	6	() 6	Turned PU back on
7/14/2015	4	8 4	8 6	I	8	6	12	. (12	
7/15/2015	4	4 4	4 5'	7	8	6	12	. (12	
7/16/2015	4	5 4	5 5	3	8	6	12	. (12	
7/17/2015	4	5 4	5 5	3	8	6	12	. (12	
7/18/2015	4	5 4	5 5	3	8	6	12	. (12	
7/19/2015	4	4 4	4 5'	7	8	6	12	. (12	
7/20/2015	4	4 4	4. 5	7	8	6	12	. (12	
7/21/2015	5	6 5	6 69)	8	6	12	. 4	10	
7/22/2015	4	5 4	5 5	3	8	6	12	. (12	
7/23/2015	4	4 4	4 5	7	9	6	12	. (12	
7/24/2015	4	4 4	4 5	7	9	6	12	: (12	
7/25/2015	4	.4 4	4 5	7	9	6	12	. (12	
7/26/2015	4	4 4	4 5'	7	8	6	12	: (12	
7/27/2015	4	3 4	3 50	5	8	6	12	: (12	
7/28/2015	4	3 4	3 50	5	9	6	12	: (12	
7/29/2015	4	3 4	3 5	5	9	6	12	. (12	
7/30/2015	4	3 4	3 50	5	9	6	12	. (12	
7/31/2015	4	3 4	3 5	ó	9	6	12	. (12	

312 Total 256

> **KCC WICHITA** APR 07 2016 RECEIVED

WELL ID

W363 Northrup 2

LEASE NAME

West St. Francis

FIELD

St. Francis

AREA

Pumping Unit/Elec EQUIPMENT

August-15

DATE

	Line	Casing							HRS	Water	REMARKS
DATE	PSI	PSI	STA	TIC_N	ICF	SPM	С	YCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015	4	13 4	13	56		9	6	12	(12	
8/2/2015	4	ļ4 <i>4</i>	14	57		9	6	12	(12	
8/3/2015	4	15 4	15	58		8	6	12	(12	
8/4/2015	4	13 4	13	56		9	6	12	(12	
8/5/2015	4	3 4	13	56		9	6	12	(12	
8/6/2015	4	1 3 4	13	56		9	6	12		12	
8/7/2015	4	13 4	13	56		9	6	12	(12	
8/8/2015	4	l 3 4	13	56		9	6	12	(12	
8/9/2015	4	13 4	13	56		9	6	12	(12	
8/10/2015	4	l3 4	13	56		8	6	12	(12	
8/11/2015	4	13 4	13	56		9	6	12	(12	
8/12/2015	4	13 4	13	56		9	6	12	(12	
8/13/2015	4	14 4	1 4	57		9	6	12	(12	
8/14/2015	4	14 4	1 4	57		9	6	12	(12	
8/15/2015	4	15	15	58		9	6	12	(12	
8/16/2015	4	16	16	59		8	6	12	(12	
8/17/2015	4	1 5 4	15	58		8	6	12	(12	
8/18/2015	4	15 4	15	58		9	6	12	(12	
8/19/2015	4	16 4	16	59		9	6	12	(12	
8/20/2015	4	15 4	15	58		9	6	12	. (12	
8/21/2015	4	16 4	16	59		9	6	12	. () 12	
8/22/2015	4	16	1 6	59		9	6	12	. (12	
8/23/2015	4	16	1 6	59		9	6	12	. (12	
8/24/2015	4	1 6 4	16	59		8	6	12	. (12	
8/25/2015	4	18 4	18	61		9	6	12	. () 12	
8/26/2015	4	1 7 4	17	60		9	6	12	(). 12	
8/27/2015	4	16 4	16'	59		9	6	12	. (12	
8/28/2015	4	45	15	58		9	6	12	. () 12	
8/29/2015	4	1 7	17	60		9	6	12	. () 12	
8/30/2015	:	50 :	50	63		9	6	12	. () 12	
8/31/2015	:	52 :	52	65		8	6	12	. () 12	

372 273 Total

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