## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	NAST.		(	See Instruc	tions on Rev	erse Side	)			
		MSI		Test Date	9;			API	No. 15		
	eliverabilt ————	у 		6/1/201	5			023	-20665-00 <b>0</b>	00	
Company Rosewo		ources, Inc.				Lease Northrup	)			43-33	Well Number
County Cheyenr	ne	Loc NES	ation E	Section 33		TWP 2S		RNG (E/ 42W	W)		Acres Attributed 80
Field Cherry C	Creek			Reservoi Niobrar					nering Conn Systems In		
Completion 4-1-2008		<u></u>		Plug Bac 1766'	k Total Dept	th		Packer S	et at		
Casing S 4 1/2"	ize	 We 10.	 ight 5#	Internal I 4.052	Diameter	Set a 1767		Perfor	ations 3'	т <sub>о</sub> 1642'	
Tubing S	ize	We	ìght	Internal I	Diameter	Set a	t at Perforations			То	
Type Con		(Describe)		Type Flui Dry Ga	d Production	n	<u>_</u> _		it or Traveling	Plunger? Yes	/ No
Producing	g Thru (	Annulus / Tut	oing)	<u>-</u>	Carbon Dioxi	ide		% Nitrog	<u> </u>	Gas Gi	ravity - G <sub>g</sub>
Annulus Vertical D						sure Taps			<u> </u>	(Meter	Run) (Prover) Size
1642' Pressure	Buildoor		-1	15 <sub>at</sub> _1	Flan 1:45	ge (AM)(PM)	Taken 6-	4	20	2" 15 <sub>at</sub> 11:55	(AM)(PM)
Well on L	٠	Started 6		20 at		(AM)(PM)				15 at 1:45	(AM) (PM)
		_			OBSERVE	D SURFACE	DATA			Duration of Shut	-in_96Hou
Static / Dynamic	namic Size Prover Pressure in			Flowing Temperature	Well Head Temperature	Casi Wellhead I (P, ) or (P,	Pressure	Wellhea	ubing ad Pressure (P <sub>f</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Property Shut-In	(inches	y psig (P	m) Inches H <sub>2</sub> (	, _	,	psig 89	psia 103.4	psig	psia	<u> </u>	<u> </u>
Flow	_	<del>-   -</del>			<del>-</del>	45	45 59.4		<del> </del>	96	
		<u>'</u>			FLOW STR	REAM ATTRI	BUTES				
Coeffied (F <sub>b</sub> ) (F	Plate Circle one: Press Coefficient Meter or Extension  (F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure Motd Psia			Tac	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	ation Metered Flow ctor R (Mcfd)		W GOR (Cubic Fo	Gravity
									12		
(P )2 =		· (P.)	² =:	•		<b>/ERABILITY)</b> % (P		ATIONS 14.4 =	•		) <sup>2</sup> = 0.207
(P <sub>c</sub> ) <sup>2</sup> - (I	$ \begin{array}{c cccc} (P_c)^2 = & : & (P_w)^2 = \\ & (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & 1. \ P_c^2 - P_c \\ & or & & & & & \\ (P_c)^2 - (P_d)^2 & & & & & \\ & & & & & & \\ & & & & & & $			LOG of formula 1, or 2, and divide		Backpres Slop Ass	sure Curve e = "n" or ilgned ard Slope	9 2106		Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)
	_		_			<del>  -</del> -					-
Open Flo	L		Mcfd @ 1	I 4.65 psia		Deliverabi	lity	l		Mcfd @ 14.65 ps	ia
	·	•		•		•			•	ort and that he ha	as knowledge of
the facts s	tated the	erein, and tha	t said report is tr	ue and correc	t. Executed	this the 21		day of D	ecemper	1 -11/1-	, 20 <u>15</u>
		Witne	ss (if any)	—-KC	<del>C WI</del> C	}};;; <u>`</u>		al	bull For	Company	ugg
		For Co	ommission	— AF	PR 07 2	2016 -			Che	cked by	

RECEIVED

exempt status under F and that the foregoin	renalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  g pressure information and statements contained on this application form are true and
of equipment installati	my knowledge and belief based upon available production summaries and lease records ion and/or upon type of completion or upon use being made of the gas well herein named.  a one-year exemption from open flow testing for the Northrup 43-33
gas well on the groun	
is a second is a s	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D 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	<del></del>
	CC WICHITA Signature: Classification Assistant  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.

W2059

WELL ID

Northrup 43-33 LEASE NAME

West St. Francis FIELD

St. Francis

AREA

None

**EQUIPMENT** 

June-15

DATE

	Line	Cas	sing						HRS	Water	REMARKS
DATE	PSI_	PSI	I S	STATIC M	1CF	SPN	1 (	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2015		76	761	89		0	0	0	24	. (	)
6/2/2015		85	85	98		0	0	0	24	. (	)
6/3/2015		88	88	101		0	0	0	24	(	)
6/4/2015		89	89	102		0	0	0	24	(	)
6/5/2015		88	88	101		0	0	0	0	(	)
6/6/2015		81	81	94	1	.3	6	12	0	(	turn on p u
6/7/2015		74	74	87	1	3	6	12	0	12	2
6/8/2015		65	65	78	1	6	6	12	0	12	2
6/9/2015		51	51	64	1	3	6	12	0	13	3
6/10/2015		49	49	62	]	3	6	12	0	13	3
6/11/2015		48	48	61	•	2	6	12	0	13	3
6/12/2015		47	47	60		2	6	12	0	12	2
6/13/2015		47	47	60	j	2	6	12	0	13	3
6/14/2015		47	47	60	]	2	6	12	0	14	ļ
6/15/2015		46	46	59	1	2	6	12	0	13	3
6/16/2015		47	47	60	1	2	6	12	0	12	2
6/17/2015		46	46 '	59	1	2	6	12	0	12	2
6/18/2015		48	48	61	1	2	6	12	0	12	2
6/19/2015		61	61'	74	1	1	6	6	2	6	5
6/20/2015		57	57	70		2	6	0	22	(	)
6/21/2015		80	80	93		5	6	0	0	(	)
6/22/2015		59	59	72	1	5	6	6	0	6	started pu, builds pressure no water yet
6/23/2015		45	45	58	1	2	6	12	0	12	2
6/24/2015		45	45	58	1	2	6	12	0	12	2
6/25/2015		45	45	58	1	2	6	12	0	12	2
6/26/2015		45	45	58	1	2	6	12	0	12	2
6/27/2015		45	45	58		3	6	12	0	12	2
6/28/2015		45	45	58	1	3	6	12	0	12	2
6/29/2015		46	46'	59	1	3	6	12	0	12	2
6/30/2015		46	46	59	]	3	6	12	0	12	2
7/1/2015		-13	-13	0		0			0		

Total 297 259

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W2059

WELL ID

Northrup 43:33 LEASE NAME

West St. Francis FIELD

St. Francis

AREA **EQUIPMENT** 

None July-15

DATE

	Line	Casing					_		HRS	Water	REMARKS
DATE	PSI	PSI	Si	TATIC	MCF	5	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2015	1	16 4	16	59		13	6	12	(	) [2	2
7/2/2015	4	45	<b>1</b> 5	58		12	6	12	. (	) 12	2
7/3/2015	é	15 4	15	58		11	6	12	. (	) 13	2
7/4/2015	2	16	16	59		11	6	12	. (	) 1:	2
7/5/2015	4	46	16	59		10	6	12	: (	) 1:	2
7/6/2015	:	52	52	65		11	6	0	) 2	2 (	5 pu off belts broke
7/7/2015	4	45	15	58		9	6	0	) (	) (	
7/8/2015	4	45	15	58		9	6	0	16	5 (	left off for comp work
7/9/2015	:	55 :	55	68		0	6	0	24	ļ (	)
7/10/2015	9	90 !	90	103		0	6	C	] [	ļ (	)
7/11/2015	:	87	87	100		1	6	C	) (	) (	)
7/12/2015	•	77 '	77	90		8	6	C	) (	) (	)
7/13/2015		65 (	55	78		13	6	$\epsilon$	· (	) (	Fixed belts and turned back on
7/14/2015	4	47	47	60		11	6	12	: (	) 1:	2
7/15/2015		44	14	57		10	6	12	: (	) 1:	2
7/16/2015		45	45	58		11	6	12	: (	) 1:	2
7/17/2015		45	45	58		11	6	12	: (	) 1	1
7/18/2015		45	45	58		11	6	. 12	: (	) [	I
7/19/2015	,	44	44	57		11	6	12	! (	) 1	1
7/20/2015		44	44	57		12	6	12	! (	) 1	1
7/21/2015	;	54	54	67		11	6	12		1	1
7/22/2015		45	45	58		12	6	12	. (	) 1	1
7/23/2015		44	44	57		12	6	12	! (	) 1	1
7/24/2015		44	44	57		12	6	12	! (	) 1	1
7/25/2015		44	44	57		12	6	12	! (	) 1	1
7/26/2015		44	44	57		12	6	12	: (	) 1	1
7/27/2015		43	43	56		12	6	12	. (	) 1	1
7/28/2015		43	43	56		13	6	12	! (	) 1	1
7/29/2015		43	43	56		13	6	12	: (	) 1	1
7/30/2015		43	43	56		13	6	. 12	2 (	1 (	I
7/31/2015		43	43	56		13	6	12	! (	) 1	1

320 273 Total

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W2059 WELL ID
NGARID 43 35 LEASE NAME

St. Francis

West St. Francis FIELD

None

AREA **EQUIPMENT** 

August-15

DATE

	Line	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		4 4	4 5	7	13	6	12	0	12	
8/2/2015	4	4 4	4 5	7	13	6	12	0	12	
8/3/2015	4	15 4	5 5	3	12	6	12	0	12	
8/4/2015	4	13 4	3 5	5	13	6	12	0	12	
8/5/2015	4	13 4	3 5	5	13	6	12	0	12	
8/6/2015	4	13 4	3 5	5	13	6	12	0	12	
8/7/2015	4	14 4	4 5	7	12	6	12	0	12	
8/8/2015	4	13 4	3 5	5	13	6	12	0	12	
8/9/2015	4	13 4	3 5	5	13	6	12	0	12	
8/10/2015	4	14 4	4 5	7	13	6	12	0	12	
8/11/2015	4	4 4	i4 5	7	13	6	12	0	12	
8/12/2015	4	14 4	4 5	7	13	6	12	0	12	
8/13/2015	4	14 4	14 5	7	12	6	12	0	12	
8/14/2015	4	15 4	5 5	8	12	6	12	0	12	
8/15/2015	4	15 4	5, 5	8	12	6	12	0	12	
8/16/2015	4		16 5	9	12	6	12	0	12	
8/17/2015	4	15	5 5	8	12	6	12	0	12	
8/18/2015	4	15 4	5 5	8	12	6	12	0	12	
8/19/2015	4	16 4	6 5	9	12	6	12	0	12	
8/20/2015	ı	15 4	5 5	8	12	6	12	0	12	
8/21/2015	4	16 4	16 5	9	12	6	12	0	12	
8/22/2015	4	16	16 5	9	12	6	12	0	12	
8/23/2015	4	16	16 5	9	12	6	12	0	12	
8/24/2015	4	16 4	16' 5	9	12	6	12	0	12	
8/25/2015	4	18 4	18 6	1	11	6	12	0	12	
8/26/2015	i i	16 4	16 5	9	12	6	12	0		
8/27/2015	4	16 4	16 5	9	12	6	12	0		
8/28/2015			15 5		12	6	12	0		
8/29/2015			17 6		11	6	12	0		
8/30/2015	:	50 :	50 6	3	11	6	12	0		
8/31/2015		52 :	52 6	5	10	6	12	0	12	

Total 377 372

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