KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes		[V] 2/1	اء 		((See Inst	ruc	tions on Re	everse S	ide)									
٠- س	en Flow	区24	$nk. \supset$	_	Test Date	e:					API I	No. 15							
De	liverabilty	/ 	<u>.</u>		11-10-2	2005						20554	-000	00					
Company Rosewo		ources, Inc.						Lease Northru	ıþ							2-33		ell Nu	mber
County Location Section Cheyenne SWSE 33							TWP 2S		RNG (E/W) 42W				Acres Attributed 80						
Field Reservoir Cherry Creek Niobrara											Gas Gath Branch				tion				
Completion Date Plug Back Total Dep 7-15-2004 1815'						ept													
•			Internal Diameter 4.052			Set at 1820'			Perforations 1600'				To 1634'						
Tubing S	ize	Weig	ght		Internal D	Diameter		Set	at		Perfora	ations	,- ,- ,			То			
		Describe)			Type Flui Dry Ga		tion	1			Pump Uni		veling	g P	lung	er? Ye	s /	No	
	g Thru (A	nnulus / Tubi	ng)			Carbon Di	ioxi	de			6 Nitroge		· · · -			Gas (Bravi	rity - G	, j
Vertical E					· · · · · · · · · · · · · · · · · · ·		res	sure Taps ge				•					r Ru	n) (Pr	rover) Size
Pressure	Buildup:	Shut in	l - 9	20	05 at 12	2:57		(AM) (PM)	Taken_	11-	10		_ 20	0	5 a	1:00		(/	AM) (PM)
Well on L	ine:	Started 11	-10	_ 20	05 at 1:	:00		(AM) M	Taken_	11-2	20		_ 20	, _0)5 _a	12:30)	(/	AM) @M®
						OBSER	VE	D SURFAC	E DATA					D	uratio	on of Shu	ıt-in	24	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one Meter Prover Pres psig (Pm	Differen	tial	Flowing Temperature t	Well Head Temperature t		(P _w) or (P _t) or (P _c)			Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)			Duration (Hours)			Liquid Produced (Barrels)		
Shut-In		poig (r iii) Inches I	120				psig 44	psla 58.6	\dagger	psig	psi	a	\vdash					
Flow								45	59.6					2	24			0	
					·, ··	FLOW S	TR	EAM ATTR	IBUTES										
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Extensi	Press Gravit ttension Facto Pmxh Fg		tor		Temperature I		eviation (Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		eet/	Flowing Fluid Gravity G_m	Fluid Gravity	
							_					8							
		_			OPEN FLO	OW) (DEL	_IVI	ERABILITY) CALC	JLAI	rions					(P) ² =	0.20	 07
P _c) ² =	:	(P _w) ²		:	P _d =		_9	6 (F	c - 14.4)	+ 14	4.4 =		:) ² =		
(P _c) ² - (F or (P _c) ² - (F	- 1	(P _c)² - (P _w)²	1. P _c ² - P 2. P _c ² - P divided by: P _c ²	2 2 d	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²		Slo _l	ssure Cur pe = "n" - or signed ard Slope		n x LC	og [A	ntilog	E	Deliv quals	en Flow verability R x Antilog Mcfd)
								<u> </u>			<u> </u>								
Open Flov		 	Mcfd @					Deliverab		<u>.</u>						14.65 p			
		ed authority, o												ort .	and 1	that he h	ias k	knowle	edge of
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		Witness	(if any)				-	_			100	7/	For C	Com	pany	0		<u> </u>	EC 30
		For Com	mission				-	-	, , , , , , , , , , , , , , , , , , , 				Ched	cket	by				
																		KC	CWI

	eclare 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 tha	t 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Northrup 2-33
gas we	l 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
l fu	rther 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 [.] 1	2-27-2005
Dato	
	2 (17 Jack)
	Signature:
	Title: Production Foreman

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.

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Well Name: Northrup 2-33

Pump	er:				· .	-	Month	12/05
						 	SPM	
Day	Static	Diff	MCF	Wtr	TP	СР	Cycle	Remarks
1 ,	54		8			41	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2	54		8			41		
3	39		8			26		
4	39		8	·		26		
5	40		8			27		
6	40		7			27		
7	48		7			35	`	
8	133		2			120		
9	63		8			50		
10	61		7			48		
11	61		7			48		
12	61		7			48		
13	61		フ			48		
14	59		8			46		
15	59		8			46		
16	59		8			46		
17	55	м. ,	8		,	42		
18	55_		7			42	,	
19	48		7			35		
20	48		7			35		
21	46		7			33		
22	46		2			33		
23	46		7			33		
24	48		7			35		
25	48		g					
26	46		Š			3S 33		
27	.46		8			33		
28								
29								
30								
31								
	• • •	Totals						L RECEIV
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t.1cnthly	Gauge Sheet				•
Well Na	ame:NOrt	hrup a	2-33	Month:	/05
Date	MCF	TP	СР	Wtr	Remarks
		. 1			
1 .	8	·	46	Ø	·
2	8		45	08.	
3	8		45		
4	8		45		
<u>5</u>	8		45		
- 6	5		45		
<u> </u>	8 a		45		
88	8_		7.3		D 3 hrs Shirting 12:57P @ 44 PS Open 1:00 P 295P
9	7		52		Shuting 12:57P @ 44 PS
10	2		295		OP4 1:00 P 295P
11	13		50		
12	12		45	<u> </u>	
13	10		45	<u> </u>	
14	9		49		
15	9		47		
16	9	** .	47		
17	8		49		
18	\$		47		
19	8		45		
20	8		VS		
21	8		43		
	8		65		
23			41		
24	8		41		
25	8		41		
26	g		41		
27	3		73		COLO
28			74		Spi Committee of the co
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Month	ly Gauge Shee	t				
			·			
Well N	ame:	thrup	2.22	Month: [C)/\s	
		11		· ·	707	
Date	MCF	ТР	СР	Wtr	Remarks	
				1	Itomarks	
1	8		45			
2	8		43			
3	8		43			
4	8		4.3			
5	8		42			
6	8		43			
77	8		43			
8	8		43			
9	3 7		84		cs '··	
10			87		un	
11	8		84		co co	·
12	7		76			
13	8		50			
14	<u> </u>	7.7	45			
15	8		43			
16	4	7	43.			
17	8		41			
18	8		40			
19	8		46			
20	8		46			
21	2		46			
22	4		48			
23	8		48			
24	<u> </u>		46			
_ 25	2		43			
26	8		43	ļ		
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