KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flow	IZM			Test Dat	e:	ructions on R	everse Sid	AF	PI No. 15			
Compan					2/4/200	9	Lease		18	31-20458-01		Well Number	
	od Res	ources, Inc.			<u> </u>	•••	Manlov	/e			14-13		
County Location Sherman SWSW				Section 13	Section TWP 13 7S			RNG (E/W) 39W			Acres Attributed 80		
					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completi 11/18/20					Plug Bad 3272'	Plug Back Total Depth 3272'				Set at			
3				Internal I 4.000	Internal Diameter Set at 4.000 3272'			Perf 319	orations 99'	то 3214	то 3214 '		
Tubing S NONE	ize	We	ight		Internal I	Internal Diameter Set at			Perf	orations	То		
Type Cor Single ((Describe) nal)				Type Fluid Production Dry Gas				Init or Traveling	5 / No		
Producing Annulus		Annulus / Tub	ing)		% (% Carbon Dioxide				gen	Gas G .6	iravity - G _g	
Vertical D	epth(H)		••				ressure Taps					Run) (Prover) Size	
3451'			2		00 1		ange			*	2"		
Pressure	Buildup:		-3		0 09 at 1		_	Taken 2-			09 at 10:35	()	
Well on L	ine:	Started 2	-4	2	09 at 1	9 at 10:35 (AM) PM) Taken 2-5					09 at 11:20	(AM)(PM)	
						OBSER	VED SURFAC	E DATA			Duration of Shut	72 Hours	
Static / Orific		ifice Circle one:		Pressure Flowing		Well Read		sing	Tubing sure Wellhead Pressure		Duration	Liquid Produced	
Dynamic Property	Size (inches	e Prover Pressure		in	Temperature t	Temperati t		Wellhead Pressure (P _w) or (P ₁) or (P _c)		or (P ₁) or (P _c)	(Hours)	(Barrels)	
Shut-In		psig (Pr	n)	Inches H ₂ 0	·		psig	psia 25.4	psig	psia			
Flow							14	28.4	ļ ———		72	0	
		l				FLOW S	TREAM ATTR	l	<u> </u>		12		
Plate		Circle one:		Press			Flowing			·		Flowing	
Coeffiect	1			Extension	Grav Fact	or	Temperature Factor	Fa	iation ctor	Metered Flov R	v GOR (Cubic Fe	eet/ Fluid	
Mcfd	, ,			√ P _m xh	F _a		F ₁₁	F	(Mcfd)		Barrel) Gravity G _m	
										15			
		-			(OPEN FLO	OW) (DEL	IVERABILITY) CALCUL	ATIONS		(P ₋))2 = 0.207	
(P _c) ² =		(P _w) ²		:	P _d = .		_% (F	o _c - 14.4) +	14.4 = _	:)2 =	
(P _c) ² - (F or (P _c) ² - (F	_	(P _c) ² - (P _w) ²		1. P ² - P ² LOG of formula 2. P ² - P ² 1. or 2.			Backpressure Curve Slope = "n"		n x LOG		Antilog	Open Flow Deliverability	
(P _c)*- (F	(a) ²		1	ed by: $P_c^2 - P_w^2$	and divide by:	P _c ² -P _w ²		signed ard Slope		_		Equals R x Antilog (Mcfd)	
		/488 v E											
Open Flov	v		L .	Mcfd @ 14.6	55 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
The u	ndersign	ed authority,	on be	ehalf of the	Company, s	tates that	he is duly au	thorized to	make th	ne above repo	rt and that he ha	as knowledge of	
							ed this the 10			lovember	, /		
									/or	nle	Wel	P	
		Witness	if any	')				,-		For C	ompany	RECEIVED	
		For Con	nmissio	n ·			-			Chec	ked by	NOV 3 0 20	

exempts and that	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l her	reby request a one-year exemption from open flow testing for the Manlove 14-13H
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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
	Signature:

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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NOV 2.2

NOV 3 0 2009

W2323 Manlove 14-13H North Goodland Goodland None February-09

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
2/1/2009	13	1 24	15	0	
2/2/2009	11	24	15	0	
2/3/2009	16	5 29	8	12	
2/4/2009	16	5 29	0	24	
2/5/2009	16	5 29	0	24	
2/6/2009	.16	5 29	0	24	
2/7/2009	16	5 29	14	10	bp
2/8/2009	14	27	15	0	
2/9/2009	14	27	15	0	
2/10/2009	14	27	12	5	
2/11/2009	14	27	12	2	
2/12/2009	14	27	14	0	
2/13/2009	13	26	14	0	
2/14/2009	13	26	14	0	
2/15/2009	13	26	14	0	
2/16/2009	13	26	14	0	
2/17/2009	13	26	14	. 0	
2/18/2009	13	26	14	0	bp
2/19/2009	13	26	14	0	
2/20/2009	13	26	14	0	
2/21/2009	13	26	14	0	
2/22/2009	13	26	14	0	
2/23/2009	13	26	14	0	
2/24/2009	13	26	14	0	
2/25/2009	13	26	14	0	
2/26/2009	12	25	15	0	
2/27/2009	12	25	15	6	
2/28/2009	12	25	12	6	
3/1/2009				0	
3/2/2009				0	
3/3/2009				0	

Total 344

W2323 Manlove 14-13H North Goodland Goodland None March-09

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
3/1/2009	14	27	3	0	
3/2/2009	14	27	8	0	
3/3/2009	14	27	9	0	
3/4/2009	14	27	11	0	
3/5/2009	14	27	15	0	bp
3/6/2009	14	27	15	0	
3/7/2009	14	27	15	0	
3/8/2009	14	27	15	0	
3/9/2009	14	27	15	0	
3/10/2009	14	27	15	0	
3/11/2009	14	27	15	0	
3/12/2009	14	27	15	0	
3/13/2009	11	24	15	0	
3/14/2009	11	24	15	0	
3/15/2009	11	24	15	0	
3/16/2009	11	24	15	0	
3/17/2009	11	24	15	0	
3/18/2009	11	24	15	0	
3/19/2009	11	24	15	0	
3/20/2009	11	24	15	0	
3/21/2009	11	24	15	0	
3/22/2009	11	24	15	0	
3/23/2009	11	24	14	0	
3/24/2009	10	23	15	0	
3/25/2009	10	23	15	0	
3/26/2009	10	23	15	0	
3/27/2009	10	23	15	0	
3/28/2009	10	23	15	0	
3/29/2009	10	23	15	0	
3/30/2009	10	23	14	0	
3/31/2009	10	23	14	0	

Total 433

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