KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flov	_	XISI			Test Date	9 :	ruct	ions on Re	ve	rse Side)	AP	No. 15					
Company						4-26-20	06		Lease			\ 81-	20347-0	00 - <	3 5		Well N	umber
County	od Res	sou		ootion		Section			Harden TWP	l		DNC (E	AA1\			1-4	Aoroo	Attributed
County Location Sherman SWNE			4				TWP RNG (E/W) 7S 39W							80	Attributed			
•					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.									
•							Plug Back Total Depth 1198'				Packer Set at							
3			Internal C 4.052	Internal Diameter 4.052			Set at 1211'			Perforations 1024'			To 1054'					
Tubing Si none	ize		We	eight		Internal [Internal Diameter			Set at			Perforations			То		
Type Con Single (escribe)			Type Flui Dry Ga		tion				Pump U Flowir	nit or Tra	veling	Plung	er? Yes	/(No.)
Producing Annulus	•	(Anı	nulus / Tu	bing)		% C	% Carbon Dioxide			% Nitrogen				Gas Gravity - G _g .6			G _g	
Vertical D	epth(H))					Pressure Taps Flange									(Meter	Run) (f	Prover) Size
Pressure	Buildup	·: :	Shut in	1-26	2	06 at 1		AM) M Taken 4-27				20	06	5:10		(AM) (PM)		
Well on Line:		:	Started <u>4-27</u> 20			06 at 5:10					_	_ 20	<u>06</u> ۽	1:10		(AM)(PM)		
							OBSER	VEI	SURFAC	E [DATA				Durati	on of Shu	t-in 24	Hours
Static / Dynamic Property	Static / Orifice Dynamic Size Property (inches)		Mete Prover Pre	Circle one: Meter Over Pressure psig (Pm) Pressure Differential in Inches H ₂ O		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_o) psig psia		Duration (Hours)		Liqu	id Produced (Barrels)		
Shut-In									13	6	27.6		1					
Flow									ĮŌ	0	24.6				24		0	
					······································		FLOW S	TR	EAM ATTR	IBI	UTES							
Plate Coeffieci (F _b) (F _r Mcfd	ent ,)		Circle one: Meter or ver Pressur psia	ъ	Press Extension ✓ P _m x h	Grav Fact F _g	tor	Te	Flowing emperature Factor F _{II}		Devia Fac F _p	tor	Metere F (Mo	7	,	GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m
													12					
(P _c) ² =		_	(P) ² =		(OPEN FLO		.IVE			ALCUL# 14.4) + 1) ² = 0.:	207
(P _o) ² - (F) ²	(P	(P _w) ² - (P _w) ²	Cho	ose formula 1 or 2: 1. $P_o^2 - P_a^2$ 2. $P_o^2 - P_d^2$ led by: $P_o^2 - P_u^2$	LOG of formula 1. or 2. and divide	P _o ² - P _w ²]	Backpre Sloj 	ssu pe : - or sigi	rre Curve = "n" ned I Slope	n x	LOG			untilog	O De	pen Flow liverability s R x Antilog (Mcfd)
Open Flov	N				Mcfd @ 14.	35 psia			Deliverab	ility	y				Vicfd €	⊉ 14.65 ps	sia	
The u	ındersig	ned	l authority	, on b	ehalf of the	Company, s	tates that	t he	is duly au	ıtho	orized to	make th	ne above	repor	t and	that he h	as knov	vledge of
					report is true							lay of J	_	1.			7	20 06
			Witne	ss (if any	')			-	-		/	p	7	ForC	ompany	0	/	
			For Co	ommissio	ın) [(CEN 7	_	<u> </u>		······································	Chec	ked by		-	
							5	\ <u>_</u>	CEIV	<u>_</u>					•			

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	eclare 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.
	at 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the <u>Harden 1-4</u> Il on the grounds that said well:
yas we	non 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 Commiss
staff as	necessary to corroborate this claim for exemption from testing.
Date:	7/27/2006
	Signature: om Wood

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:

Harden 1-4

Pumper:

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TR5

Month

3/06

		· · · · · · · · · · · · · · · · · · ·						
							SPM	
Day	Static	Diff	MCF	Wtr	TP	CP	Cycle	Remarks
1	21	<u> </u>	160		·	8		
2	21		16			8		
3	20		16		58 S	7		
4	20		16			7		
5	20		16			7		
6	20		16			7		
7	20		16		·	7		
8	20 .		16			7		
9	20		16			7		_
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18	20		15			9		PMComp
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26	21		14		-,	8		777
27	71			~		8	***	BP.
28	-{!-		14			9		
29	-2/		14			8		
30	4!		-		<u> </u>	3		
31	4		14	· .		8		
	·, · · ·	Totals						

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Well Name: Hardle 1-4

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Pumper: Month 4/06

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έż	. •						SPM		
Day	Static	Diff	MCF	Wtr	TP	СР	Cycle	Remarks	
1	2		14			8	·		
2	2		14			8			
3	21		14						
4	21		14			8			
5	21		14		. 1	8			
6	21		14	1		g			
7	21		14			8			
8	21		13			8			
9	21		13			8			
10	21		13	_		8		BP	
11	21		/3			8			
. 12	22		14			9			
13	22		14	-		9			
14	22		14			9			11
15	da		il.	,.		9			
16	22	.'	10			9			
17	22		id		*	9	· · · · · · · · · · · · · · · · · · ·	1	· · · · · · · · · · · · · · · · · · ·
18	22		14			9			
19	22		13			9	· · · · · · · · · · · · · · · · · · ·		
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21	22		14			9			
22	22		14			9			
23	22		14			9	•		
24	22		14			4			
25	22		14			9			
26	26	-	14			13		5	121/0xm
27	-26		1435	(F -	_	13		Opla	12:10pm 5:10pm
28	23		17			10		HILL	Jupin
29	23		13			10			
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31			ر د			10		 	
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