KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		,	RICT			(See Instruc	tions on Re	verse	Side)					
	en Flov					Test Date	э :				API	No. 15				
Del	liverabi	ity				9/8/201	1				181	-20347-00 ·	-O	5		
Company Rosewoo		soui	rces					Lease Harder	ì					1-4	Well Nu	mber
County Location Sherman SWNE			Section 4			TWP 7S			RNG (E/W) 39W		Acres Attributed 80		Attributed			
Field Goodland			,	Reservoir Niobrara					Gas Gati Branch							
Completic 7/24/200		9				Plug Back Total Depth 1198'					Packer Set at				-	
Casing SI 4 1/2"	Casing Size Weight			Internal Diameter 4.052		Set at 1211'		Perforations 1024'		To 1054'						
Tubing Si	ze		Weigh	ıt		Internal [Set at		Perforations		-	То				
Type Com Single (Type Flui Dry Ga	d Productions	n			Pump Unit or Traveling Plunge			er? Yes	7(00)	-
			nulus / Tubin	g)		% Carbon Dioxide					% Nitrog	•	Gas Gravity - G			
Annulus	3										<u>.</u>			.6		
Vertical D 1054'	epth(H)		-		Pressure Taps Flange						(Meter Run) (Prover) Size 2"				
Pressure	Buildu		Shut in 9-7	-		20 11 at 2:35 (AM) (PM) Taken S				9-	8		at 2:50 (AM((PM))			
Well on L	ine:		Started 9-8		20	11 at 2	:50	(AM)(PM)	Taker	<u>9-</u>	9	20	11 6	3:35	(AM)(PM)
			Circle one:		D		OBSERVE	ED SURFAC		Ά	-	\.\.\.	Durati	on of Shut-	in <u>24</u>	Hours
Static / Dynamic Property	Dynamic Sizo		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	tial Temperature Temper		rature Wellhead Pressure		.)	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		1 .	d Produced Barrels)
Shul-In								7	21.4			, pour				
Flow								6	20.4	1			24		0	
				_			FLOW STI	REAM ATT	RIBUTE	ES						,
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact Pmxh Fg		tor Temperature			Deviation Factor F _p ,		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G_	
												11				
						(OPEN FL	OW) (DELI\	/ERABILITY	/) CAL	CUL	ATIONS			(P,)	² = 0.2	07
(P _c) ² =		;	(P ₁) ² =		:	P _a =		% (P _e - 14.	.4) +	14.4 =	:		(P _d)	2 =	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_a)^2$		(P _e) ² - (P _w) ²		1. P ² -P ² LOG of formula 2. P ² -P ² and divide		pr.pr Assig		pe = "n" - or ssigned	n x LOG		.og	,	Antilog	Del Equals	en Flow iverability I R x Antilog	
				divid	led by: P _a ² - P _a ²	by:	<u> </u>	Stand	dard Sto	pe						(Mcfd)
Open Flor	w				Mcfd @ 14.	65 psla		Delivera	bility				Mcfd (7 14.65 ps	ia	
			d authority, o					-	uthoriz 8			e above repo	ort and	that he ha		ledge of
								-			Das	rnell	(SCL	ve	5
-		_	Witness (- 		For	ompany	<u> </u>	R	ECEIVED
			ror Comn	-138								Cno	LANG UY		۸ſ	D 1 1 20

APR 2 4 2012

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 Harden 1-4 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: 12/28/11 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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KCC WICHITA

W403 Harden 1-4 North Goodland Goodland None September-11

	Casing				IRS	REMARKS
DATE	PSI	STATI	C MCF	I	OOWN	(Maximum length 110 characters)
9/1/2011		8	21	8	0	
9/2/2011		8	21	3	12	
9/3/2011		9	22	8	0	
9/4/2011		8	21	10	0	
9/5/2011		8	21	10	0	
9/6/2011		8	21	11	0	cal
9/7/2011		7	20	9	0	shut in for test
9/8/2011		7	20	0	24	opened up
9/9/2011		8	21	13	0	
9/10/2011		7	20	12	0	
9/11/2011		7	20	12	0	
9/12/2011		7	20	11	0	
9/13/2011		7	20	11	0	
9/14/2011		6	19	11	0	
9/15/2011		6	19	11	0	
9/16/2011		6	19	11	0	
9/17/2011		6	19	11	0	
9/18/2011		6	19	11	0	
9/19/2011		6	19	10	0	
9/20/2011		6	19	10	0	
9/21/2011		6	19	12	0	
9/22/2011		6	19	8	2	
9/23/2011		7	20	8	2.5	
9/24/2011		7	20	5	15	
9/25/2011		8	21	8	0	
9/26/2011		7	20	9	0	
9/27/2011		8	21	8	2	
9/28/2011		7	20	11	0	
9/29/2011		7	20	9	0	
9/30/2011		7	20	10	2.5	
10/1/2011		0	0	0	0	

Total 281

W403 Harden 1-4 North Goodland Goodland None October-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2011	(5 19	12	0	
10/2/2011	(5 19	12	0	
10/3/2011	(5 19	12	0	
10/4/2011	(5 19	11	0	
10/5/2011	(5 19	11	0	
10/6/2011	(5 19	11	0	
10/7/2011	(5 19	11	0	
10/8/2011	(5 19	11	0	
10/9/2011	(5 19	11	0	
10/10/2011	:	5 18	11	0	
10/11/2011	:	5 18	11	0	
10/12/2011	:	5 18	11	0	
10/13/2011	:	5 18	11	0	
10/14/2011	:	5 18	11	0	
10/15/2011	4	5 18	11	0	
10/16/2011	:	5 18	11	0	
10/17/2011	:	5 18	11	0	
10/18/2011		5 18	11	0	
10/19/2011	:	5 18	11	0	
10/20/2011	:	5 18	11	0	
10/21/2011	:	5 18	9	2	
10/22/2011	:	5 18	10	0	
10/23/2011	:	5 18	10	0	
10/24/2011	:	5 18	10	0	
10/25/2011	(5 19	7	2	
10/26/2011	(5 19	11	0	
10/27/2011	:	5 18	11	0	
10/28/2011		5 18	10	0	
10/29/2011	:	5 18	10	0	
10/30/2011	:	5 18	10	0	
10/31/2011	:	5 18			

Total 331

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KCC WICHITA

W403 Harden 1-4 North Goodland Goodland None November-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2011		5	18	10	0	
11/2/2011		5	18	10	0	
11/3/2011		5	18	10	0	
11/4/2011		5	18	10	0	
11/5/2011		5	18	10	0	
11/6/2011		5	18	10	0	
11/7/2011		5	18	10	0	
11/8/2011		5	18	10	0	bp
11/9/2011		5	18	10	0	
11/10/2011		5	18	10	0	
11/11/2011		5	18	10	0	
11/12/2011		5	18	10	0	
11/13/2011		5	18	10	0	
11/14/2011		5	18	10	0	
11/15/2011		5	18	10	0	
11/16/2011		5	18	10	0	
11/17/2011		5	18	11	0	
11/18/2011		5	18	9	0	
11/19/2011		5	18	9	0	
11/20/2011		5	18	9	0	
11/21/2011		5	18	9	0	
11/22/2011		5	18	9	0	
11/23/2011		5	18	10	0	
11/24/2011		5	18	10	0	
11/25/2011		5	18	10	0	
11/26/2011		5	18	10	0	
11/27/2011		5	18	10	0	
11/28/2011		5	18	10	0	
11/29/2011		5	18	10	0	
11/30/2011		5	18	10	0	
12/1/2011		0	0	0	0	

Total 296