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

Deliverability	Type Test	t: en Flo	w i	ØSI			•	See Instruc	tions on Re	everse Side	•				
Roseword Resources, Inc.   C. Ihrig   32-21H	De	liverab	ilty										00		
Sherman   SWNE/   21   7S   39W   80			sou	rces, Inc.		***************************************				9					r
Goodland Niobrara Branch Systems Inc.  Completion Date 9/13/2006  Sac Very 10.5# 4,000  Purp Unit or Traveling Plunger? Yes / No. Flowing Plung	•	n										<b>V</b> )			
9/13/2006 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 3179 3194  11/2" 10.5# 4.000 3264 5179 3194  11/2" 10.5# 4.000 3264 5179 3194  11/2" 10.5# 4.000 5179 5179 5179 5179 5179 5179 5179 5179		ıd							,						
10.5#			е			<del></del>	_	k Total Dep	th		Packer Se	et at			
NONE Type Completion (Describe) Single (Horizonal) Type Fluid Production Dry Gas Production Type Completion (Describe) Single (Horizonal) Type Completion (Describe) Type Gas Gravity: Q <sub>g</sub> 6  Annotus  Well contines Tengen Type Pressure Taps Type Pressure Type Pressure Type Pressure Type Pressure Type Pressure Type Pressure Type Type Pressure Type Pressure Type Type Type Type Type Type Type Type		ize		_				Diameter							
Single (Horizonal)   Dry Gas   Flowing   Gas Gravity - G		ize	٠	Weig	ht	•	Internal [	Diameter	Set	at	Perfor	ations	То		
Annulus									n			_	Plunger? Yes	/ (No	
Pressure Buildup:   Shut in   10-6   20 07 at   9:15   (AM) (PM)   Taken   10-7   20 07 at   11:15   (AM) (PM)		•	(Anr	nulus / Tubir	ng)		% C	arbon Dioxi	ide		% Nitroge	en		avity - G <sub>g</sub>	
Pressure Buildup:   Shut in   10-6		epth(H	l)	,,,,,,,,,,,,					•				(Meter F	Run) (Prover	) Size
Well on Line: Started 10-7 20 07 at 11:15 (AM) (PM) Taken 10-8 20 07 at 10:00 (AM) (PM) (PM) Taken 10-8 20 07 at 10:00 (AM) (PM) (PM) (PM) Taken 10-8 20 07 at 10:00 (AM) (PM) (PM) (PM) Taken 10-8 20 07 at 10:00 (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P		Buildu	p: :	Shut in10	-6	20	07 at 9		<del>-</del>	Taken_10	)-7	20	07 at 11:15	(AM)	 (PM)
Static / Orifice	Well on L	ine:	;	Started 10-	-7									AM	(PM)
Static / Dynamic Size Size Dynamic Size Dyna								OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n 24	Hours
Shut-In 23 37.4 24 0  FLOW STREAM ATRIBUTES  Plate Coefficient (F <sub>a</sub> ) (F <sub>p</sub> ) Prover Prassure pia (P <sub>a</sub> ) Fill Prover Prassure Pia (P <sub>a</sub> ) Prove	Dynamic	Static / Orifice Meter Dynamic Size Property (inches) Property (inches)		ential 1	Temperature	Temperature	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration	Liquid Prod	duced		
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>p</sub> )(F <sub>p</sub> ) Mctd Prover Prossure psia  (P <sub>e</sub> ) <sup>2</sup> =: (P <sub>e</sub> ) <sup>2</sup> =	Shut-In			, ,		2.0			<u> </u>		psig	psia			
Plate Coefficient (Coefficient (F)	Flow								7	21.4			24	0	
Coefficient (F <sub>2</sub> ) (F <sub>3</sub> ) Privar Pressure psia Press Extension Factor F <sub>8</sub> From Factor F <sub>8</sub> Prover Pressure psia Prover Pressure Pactor F <sub>8</sub> Prover Pressure Psia Psia Psia Psia Psia Psia Psia Psia		-			1		<del></del>	FLOW STR	EAM ATTE	RIBUTES					
(P <sub>c</sub> ) <sup>2</sup> = : (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> = : (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>   Choose formula 1 or 2:	Coeffieci (F <sub>b</sub> ) (F <sub>f</sub>	ient ,)		Meter or ver Pressure	Exten	sion	Fact	or ·	remperature Factor	Fa	ctor	R	(Cubic Fee	et/ F	luid avity
(P <sub>c</sub> ) <sup>2</sup> = : (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>   Choose formula 1 or 2:					<u> </u>							21			
Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Or Or Or Assigned Standard Slope  Open Flow Slope = "n" Assigned Standard Slope  Open Flow Open Flow Deliverability Equals R x Antilog (Mcfd)  Open Flow Open Flow Deliverability Equals R x Antilog (Mcfd)  Open Flow Open Fl	(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =	=	:	-	• •		•		:			
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the	(P <sub>c</sub> )² - (F		(P		1. P <sub>c</sub> <sup>2</sup> - 2. P <sub>c</sub> <sup>2</sup> -	P <sub>a</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpre Slo	essure Curve pe = "n" - or signed		DG		Open Fl Deliverab Equals R x	oility Antilog
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the															
the facts stated therein, and that said report is true and correct. Executed this the 10 day of December  Witness (if any)  KANSAS CORPORATION COMMISSION  December  For Company	Open Flov	v			Mcfd (	@ 14.6	55 psia		Deliverat	oility			Mcfd @ 14.65 psia	1	
KANSAS CORPORATION COMMISSION				n, and that s	aid report				this the _1	0		cember	W 16	knowledge	of T
For Commission Checked by								KANS			MMISSION				

D

JAN 15 2008

	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
correct t	o the best of my knowledge and belief based upon available production summaries and lease records
of equip	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 <u>C. Ihrig 32-21H</u>
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
l furi	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as r	necessary to corroborate this claim for exemption from testing.
Date: <u>12</u>	2/10/2007
	Signature: Com W V Coelf
	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.

RECEIVED KANSAS CORPORATION COMMISSION

W2270 C. Ihrig 32-21H North Goodland Goodland None October-07

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2007		8 2	1	21	0	
10/2/2007		8 2	1	22	0	
10/3/2007		8 2	1	22	0	
10/4/2007		8 2	1	22	0	
10/5/2007		8 2	1	22	0	
10/6/2007		8 2	1	21	0	si 9am cp8
10/7/2007	2	3 30	5	1	0	open 11am cp243
10/8/2007		9 22	2	22	0	
10/9/2007		8 2:	l	22	0	
10/10/2007		7 20	)	23	0	
10/11/2007		7 20	)	23	0	
10/12/2007		7 20	)	23	0	
10/13/2007		7 20	)	23	0	
10/14/2007		7 20	)	23	0	•
10/15/2007		7 20	)	23	0	
10/16/2007		7 20	)	21	0	
10/17/2007		7 20	)	21	0	
10/18/2007	•	7 20	)	21	0	
10/19/2007		7 20	)	21	0	
10/20/2007	•	7 20	)	21	0	
10/21/2007	•	7 20	)	21	0	
10/22/2007	•	7 20	)	21	0	
10/23/2007		7 20	•	21	0	
10/24/2007	•	7 20	)	21	0	· · · · · · · · · · · · · · · · · · ·
10/25/2007	•	7	)	21	0	
10/26/2007	•	7 20	ı	21	0	
10/27/2007	•	7 20	)	21	0	
10/28/2007		7 20		21	0	
10/29/2007	7	7 20		21	0	
10/30/2007	7	7 20		21	0	
10/31/2007	7	7 20		21	0	

Total 649

RECEIVED KANSAS CORPORATION COMMISSION

JAN 15 2008

W2270 C. Ihrig 32-21H North Goodland Goodland None

November-07

	Casing			· H	RS	REMARKS
DATE	PSI	STATIC	MCF	. D	OWN	(Maximum length 110 characters)
11/1/2007		7 20	)	20	0	
11/2/2007	7	7 20	) .	20	0	•
11/3/2007	7	7 20	)	20	0	
11/4/2007	7	7 20	)	20	. 0	bp
11/5/2007	7	7 . 20	)	20	. 0	
11/6/2007	-	7 20	)	20	0	
11/7/2007	7	7 20	)	20	0	
11/8/2007	17	7 30	)	15	6	bp
11/9/2007	8	3 21		15	3	
11/10/2007	8	3 21		22	0	
11/11/2007	8	3 21		22	0	
11/12/2007	8	3 21		22	0	
11/13/2007	. 8	3 21		22	0	
11/14/2007	8	3 21		22	1	
11/15/2007	10	23		21	3	bp
11/16/2007	.8	21		21	12	
11/17/2007	17	30	)	11	7	
11/18/2007	·	22		16	0	
11/19/2007	8	21		24	0	bp
11/20/2007	8	21		24	0	
11/21/2007	9	22		23	0	
11/22/2007	8	21		19	2	
11/23/2007		21		19	2	
11/24/2007	8	21		19	0	
11/25/2007	8	21	-	19	0	
11/26/2007	10	23		19	2	
11/27/2007	8	21		19	0	
11/28/2007	8	21		19	0	
11/29/2007	8	21		19	0	
11/30/2007	8	21		18	3	bp froze
12/1/2007					0	

Total 590

RECEIVED KANSAS CORPORATION COMMISSION

W2270 C. Ihrig 32-21H North Goodland Goodland None December-07

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
12/1/2007		7 2	0	22	0	
12/2/2007		7 2	0	22	2	bp
12/3/2007		7 2	0	21	0	
12/4/2007		7 2	0	21	0	
12/5/2007		7 2	0	21	0	bp
12/6/2007	r.	7 2	0	21	0	
12/7/2007		7 2	0	21	0	
12/8/2007		7 2	0	21	0	
12/9/2007		7 2	0	21	0	
12/10/2007		6 1	9	18	0	bp ·
12/11/2007	į	6 1	9	18	0	
12/12/2007	i	6 . 1	9	18	0	
12/13/2007	ļ	6 . 1	9	18	0	bp
12/14/2007	(	6 19	9	18	0	
12/15/2007		6 1	9	18	0	
12/16/2007	(	5 19	9	18	0	
12/17/2007	(	5 19	9	18	0	bp
12/18/2007					0	-
12/19/2007				•	0	
12/20/2007					0	·
12/21/2007					0	
12/22/2007					0	
12/23/2007					0	,
12/24/2007					0	
12/25/2007					0	
12/26/2007					0	
12/27/2007					0	
12/28/2007					0	
12/29/2007					0	
12/30/2007					0	
12/31/2007					0	

Total 335

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