KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	~~~		(See Instruct	tions on Rev	verse Side)			
Op	en Flow	M 2T									
De	liverabilty			Test Date 9/22/11) :			API 181	No. 15 1-20415-0 0	~ 0	
Company		urces, Inc.		0,22,1,		Lease Duell					Well Number
County Sherman	n	Locati SWSV		Section 21		TWP 7S		RNG (E 39W	/W)		Acres Attributed 80
Field Goodlan	ıd			Reservoir					thering Conn Systems In		
Completic				Plug Bac 1186'	k Total Dept	th		Packer S	Set at		
Casing S 4 3/4"	ize	Weigh 10.5#		Internal 0 4.000	Diameter	Set a		Perio	orations O'	To 1040'	
Tubing Si	ize	Welgh	t	Internal (Diameter	Set a	nt	Perio	orations	То	• • • • • • • • • • • • • • • • • • • •
Type Con Single (Type Flui Dry Ga	d Production	n		Pump U	nit or Traveling	Plunger? Yes	No
	g Thru (A	nnulus / Tubing	3)		arbon Dioxi	lde	<u>-, , , , , , , , , , , , , , , , , , , </u>	% Nitrog	<u> </u>	Gas Gr	avity - G _g
Vertical E	T				Pres	sure Taps					Run) (Prover) Size
1220'	(1 1)				Flan	•				2"	(10101) 0120
Pressure	Buildup:	Shut in 9-2		20 11 at 1		(PM)	Taken 9-	22		11 at 11:15	(AM)(PM)
Well on L	.ine:	Started 9-2	22	0 11 at 1	1:15	(AM)(PM)	Taken 9-	-23	20	11 at 12:00	(AM)(PM)
	,—·				OBSERVE	D SURFACI		Т		Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (P	Pressure	Wellho	Tubing ead Pressure or (P ₁) or (P ₆)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		pag (m	mones rigo			psig 10	24.4	psig	psia		
Flow						12	26.4			24	
					FLOW STR	REAM ATTR	IBUTES		,		
Plate Coeffied (F _b) (F Mold	ient	Circle one: Meter or Prover Pressure psia	Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	riation actor	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
						· · · · · · · · · · · · · · · · · · ·			33		
(0.)3		 30		•	, ,	'ERABILITY	•				² = 0.207
(P _e) ² =	 -	(P _w)² =	Choose formula 1 or 2	P _d =			² - 14.4) +	1	:	(P _d)	<u></u>
(P _e) ² - (I or (P _e) ² - (I	·	(P ₄)* · (P _w)*	1. P _a ² -P _a ² 2. P _a ² -P _a ²	LOG of formula 1, or 2, and divide	P.*. P.*	Slor	ssure Curve pe = "n" - or signed		roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			divided by: $P_a^2 - P_w$	2 by:	<u> </u>	Sizind	ard Slope				(
Open Flo	W		Mcfd @ 14	.65 psia		Deliverab	llity			Mcfd @ 14.65 ps	la
The	undersign	ed authority, o	n behalf of the	Company, s	states that h	ne is duly au	uthorized t	o make t	he above repo	ort and that he ha	
the facts s	tated the	ein, and that sa	ald report is true	e and correc	t. Executed	this the 28		uay or	December	1 2.	, 20 <u>11</u> .
- -	<u> </u>	Witness (i	fany)			-		2	unil	Company	RECEIVE
		For Corner	nission			-			Che	cked by	APP 1 4 00

APR 2 4 2012 KCC WICHITA

	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
• •	allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the
	rounds that said well:
(Chao	
(Chec	is a coalbed methane producer
<u> </u>	is cycled on plunger lift due to water
<u> </u>	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
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 12/28/11	

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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W2186 Duell: 14-211

North Goodland

Goodland

None

September-11

	Casing			H	rs	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
9/1/2011		11	24	30	0	
9/2/2011		12	25	13	12	
9/3/2011		13	26	31	0	
9/4/2011		12	25	33	0	
9/5/2011		12	25	33	0	
9/6/2011		11	24	33	0	
9/7/2011		11	24	34	0	
9/8/2011		10	23	36	0	
9/9/2011		10	23	33	0	
9/10/2011		10	23	33	0	
9/11/2011		10	23	33	0	
9/12/2011		10	23	33	0	
9/13/2011		10	23	33	0	
9/14/2011		10	23	33	0	
9/15/2011		10	23	33	0	cal
9/16/2011		10	23	26	0	
9/17/2011		10	23	33	0	
9/18/2011		10	23	33	0	
9/19/2011		10	23	32	0	
9/20/2011		10	23	32	0	
9/21/2011		10	23	34	0	shut in
9/22/2011		10	23	0	24	opened up
9/23/2011		13	26	27	2.5	• •
9/24/2011		12	25	21	15	
9/25/2011		13	26	35	0	
9/26/2011		12	25	33	0	
9/27/2011			25	30	2	
9/28/2011			24	34	0	
9/29/2011		11	24	31	0	
9/30/2011		11	24	31	2.5	
10/1/2011		0	0	0	0	

Total 906

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W2186 Duell 14-21

North Goodland

Goodland

None

October-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2011	1	1 2	4	35	0	
10/2/2011	1	0 2	3	35	0	
10/3/2011	1	0 2	3	34	0	
10/4/2011	1	0 2	3	33	0	
10/5/2011	1	0 2	3	33	0	
10/6/2011	1	0 2	3	33	0	
10/7/2011	1	0 2	3	33	0	
10/8/2011	1	0 2	3	33	0	
10/9/2011	1	0 2	3	34	0	
10/10/2011	1	0 2	3	34	0	
10/11/2011	1	0 2	3	33	0	
10/12/2011	1	0 2	3	33	0	
10/13/2011		9 2	2	33	0	
10/14/2011		9 2	2	33	0	
10/15/2011		9 2	2	33	0	
10/16/2011		9 2	2	33	0	
10/17/2011		9 2	2	33	0	
10/18/2011		9 2	2	33	0	
10/19/2011		9 2	2	33	0	
10/20/2011		9 2	2	34	0	
10/21/2011		9 2	2	30	2	
10/22/2011	1	0 2	3	33	0	
10/23/2011		9 2	2	33	0	
10/24/2011		9 2	2	32	0	
10/25/2011	1	0 2	3	28	2	
10/26/2011	1	0 2	3	33	0	
10/27/2011		9 2	2	33	0	
10/28/2011		9 2	2	33	0	
10/29/2011		9 2	2	33	0	
10/30/2011		9 2	2	32	0	
10/31/2011		9 2	2	32	0	

Total 1020

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KCC WICHITA

W2186
Duell 14-21 Region North Goodland
Roodland
None

November-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characte
11/1/2011		9	22	32	0
11/2/2011		9	22	32	0
11/3/2011		9	22	32	0
11/4/2011		9	22	32	0
11/5/2011		9	22	32	0
11/6/2011		9	22	32	0
11/7/2011		9	22	32	0
11/8/2011		9	22	32	0 bp
11/9/2011		9	22	33	0
11/10/2011		9	22	33	0
11/11/2011		9	22	32	0
11/12/2011		9	22	32	0
11/13/2011		9	22	32	0
11/14/2011		9	22	32	0
11/15/2011		9	22	32	0
11/16/2011		9	22	32	0
11/17/2011		9	22	35	0
11/18/2011		9	22	32	0
11/19/2011		9	22	31	0
11/20/2011		9	22	31	0
11/21/2011		9	22	32	0
11/22/2011		9	22	32	0
11/23/2011		9	22	32	0
11/24/2011		9	22	31	0
11/25/2011		9	22	31	0
11/26/2011		9	22	31	0
11/27/2011		9	22	31	0
11/28/2011		9	22	32	0
11/29/2011		9	22	31	0
11/30/2011		9	22	31	0
12/1/2011		0	0	0	0

Total 957