KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	ı. en Flow	R2	-		•	oee manuci	ions on the	V6/36 0/d6	•/				
	liverabil				Test Date 9/27/11) :			АРІ 15-	No. 15 181-20418	3-00-00		
Company		sources					Lease G. Ihrig				24-16	Well Nu	mber
County Location Sherman SESW			1	Section 16				RNG (E/	RNG (E/W) R9W		Acres Attributed 80		
Field Goodland				Reservoir Niobrara				Gas Gat	hering Conn Systems In				
Completic 3/24/20		;			Plug Bac 1183'	k Total Dept	h		Packer S	Set at			
Casing S 2 7/8"	ize		Weight 3.5#		Internal D	Diameter	Set at 1183.69'		Perforations 1171'		то 1008'		
Tubing Size Weight none							at Perforations			То			
Type Con		(Describe entional)			Type Flui Dry Ga	d Production	า	•	Pump Ur Flowin	nit or Traveling	Plunger? Yes	7 (No	
Producing	_	(Annulus /	Tubing)	1.	% C	Carbon Dioxi	de		% Nitrog	en	Gas G .6	ravity - (3 ₀
Vertical D	Depth(H))				Pres Flan	sure Taps					Run) (P	rover) Size
Pressure	Buildup	: Shut in	9-26	2	0 11 at 1	:20	<u> </u>	Taken 9-	27	20	11 _{at} 1:35	((AM)(PM)
Well on L	.ine:		9-27		20 11 at 1:35		(AM) (PM)	(AM) (PM) Taken 9-28		20	11 at 2:20	((AM)(PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_24	Hour
Static / Dynamic Property	Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Ver Pressure posig (Pm) Pressure Differential in Inches H ₂ 0		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		ubing ad Pressure (P,) or (P _c)	Duration (Hours)		d Produced Barrels)
Shut-In		paig	(FIII)	Inches H ₂ 0			psig 8	22.4	psig	psia			
Flow							7	21.4			24	0	
						FLOW STR	EAM ATTR	IBUTES	·····				
Plate Coefficcient (F _b) (F _p) Mcfd		Prover Pressure		Press Extension ✓ P _m xh	Factor		Flowing Femperature Factor F ₁₁	Emperature Factor F		Metered Flov R (Mcfd)	y GOR (Cubic Fo	e et /	Flowing Fluid Gravity G _m
										12			
(P _c) ² =		. ,	P _w)² =		-	OW) (DELIV		•) ² = 0.2) ² =	07
(P _c) ² - (I	•	(P _c) ² - (P _w) ²	oose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² ided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	ssure Curve pe = "n" - or signed lard Slope	n x	.og []	Antilog	Op Deli Equals	pen Flow iverability B R x Antilog (Mcfd)
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	sia	
	•		•	behalf of the	•		•		day of _D	ecember	ort and that he h		ledge of 20 <u>11 </u>
		W	itness (if a	ny)			-		T Ce	For	Company	AKEK	ÆIVE
		F	or Commiss	sion			-			Che	cked by	APR	2 4 20

exempt	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.
correct of equip I he	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. Bereby request a one-year exemption from open flow testing for the
staff as	(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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss 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.

RECEIVED

APR 2 4 2012

KCC WICHITA

W2164
G. Ihrig 24-16
North Goodland
Goodland
None
September-11

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

Total 334

W2164
G. Ihrig 24-16
North Goodland
Goodland
None
October-11

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

Total 382

W2164
G. Ihrig 24-16
North Goodland
Goodland
None
November-11

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

Total 330