KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flow		MSI		(Test Date		uctions on Re	everse Side	AP	I No. 15				
Company	iverabil	тy			2/4/201	0	Lease	-	15-	181-20416-0	00 - QQ	- Well I	Number	
Rosewoo		our	rces	_			G. Ihrig	l			13-			
County Location Sherman NWSW			Section 20		TWP 7\$			RNG (E/W) 39W		Acres 80	Attributed			
Field Goodland		- <u> </u>	Reservoir Niobrara				Gas Gathering Conn Branch Systems In			 -	- -			
Completion Date 3/22/2006			Plug Back Total Depti 1177'			Packer Set at								
Casing Size Weight 2 7/8" 6.5#		t	Internal Diameter 2.441			Set at 1177.67'		orations 2'	To 1098'					
Tubing Sia	Tubing Size Weight		t	Internal Diameter			Set at Perforations		То		-			
Type Com Single (Type Flui Dry Ga	d Product	ion		Pump U Flowir	nit or Traveling	Plunger? Y	es / No)	
Producing Thru (Annulus / Tubing) Annulus			9)	% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g			
Vertical D	epth(H))					essure Taps					er Run)	(Prover) Size	
1098'			Shut in 2-3		Flange					·· - · -	2"		_	
Pressure Well on Li	•		Shut in $\frac{2-3}{2-4}$					\smile .		10 at 11:2		-(AM)(PM)		
AAGU OU LI			Started		20. at .	·	(AM)(PM)	iaken –			ai .		(AM) (PM)	
 -			_:		-т	OBSER	/ED SURFAC				Duration of SI	nut-in 7	2 Hour	
Static / Dynamic Property	Static / Orifice Metropartic Size Prover Prove Prover Prover Prove		Circle one: Meter Prover Pressu psig (Pm)	Differential	in Temperature Temperature		re (P_) or (i			Tubing Ihead Pressure Ouration) or (P_1) or (P_2) (Hours)		Liquid Produced (Barrels)		
Shut-In							21	35.4	pay	hara				
Flow							28	42.4			72	0		
						FLOW S	TREAM ATTE	RIBUTES						
Plate Coefflecient (F _b) (F _p) Motd				Press Extension	Pactor		Flowing Temperature Factor F _{it}	Fi	riation actor F _{pv}	Metered Flow GOF R (Cubic I (McId) Barre		FeeV	Flowing Fluid Gravity G _m	
										24				
					(OPEN FL	OW) (DEL	IVERABILITY	/) CALCUI	.ATIONS			B 13 - C	207	
(P _c) ² =		:	(P _w) ² =	 :	P _a =		_% (P _a - 14.4) +	14.4 = _	<u></u> :		P _a) ² = 0 P _d) ² =		
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_a)^2$) ² (P _e) ² - (P ₌) ²		hoose formula 1 or 2: 1. P ₂ - P ₂ 2. P ₃ - P ₄ 4 tormula 1. or 2: and divided by: P ₂ - P ₂ by:		P _e ² - P _w ²	Backpressure Curve Slope * "n" or Assigned Standard Slope			roe	Antilog	0	Open Flow Deliverability Equals R x Antilog (McId)	
					•		, , , , , , , , , , , , , , , , , , , ,							
Open Flov	v			Mcfd @ 14	.65 psia		Deliveral	bility		-	Mcfd @ 14.65	psia		
	_		-	n behalf of the aid report is tru	, ,		• .	_		he above repo December	rt and that he	has kno	owledge of , 20 10	
			W0					_	Des	rnell	6	لالا	H)	
			Witness (i								KANS/	RE S CORPO	CEIVED DRATION COM	

exempt status und and that the forego correct to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. poing pressure information and statements contained on this application form are true and 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 G. Ihrig 13-20 ounds that said well:
· -	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>12/16/10</u>	
	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
CANSAS CORPORATION COMMISSION

W2055 G. Ihrig 13-20 North Goodland Goodland None February-10

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
2/1/2010	21	34	16	0	cd
2/2/2010	21	34	3	22	
2/3/2010	28	41	0	24	
2/4/2010	30	43	0	24	
2/5/2010	28	41	27	0	
2/6/2010	25	38	19	1.5	
2/7/2010	23	36	18	1	
2/8/2010	23	36	17	0	
2/9/2010	23	36	14	18	opened up
2/10/2010	24	37	3	24	
2/11/2010	30	43	0	24	nb, meth
2/12/2010	25	38	8	15	
2/13/2010	31	44	0	24	
2/14/2010	27	40	9	12	
2/15/2010	25	38	8	18	
2/16/2010	23	36	15	8	
2/17/2010	24	. 37	19	8	
2/18/2010	21	34	23	8	
2/19/2010	20	33	21	6	
2/20/2010	18	31	23	5	
2/21/2010	17	30	27	0	
2/22/2010	16	29	24	0	
2/23/2010	15	28	24	1	
2/24/2010	14	27	25	0	
2/25/2010	14	27	23	1.5	
2/26/2010	15	28	17	5.5	
2/27/2010	14	. 27	24	1	
2/28/2010	13	26	23	0	
3/1/2010	C	0	0	0	
3/2/2010	C	0	0	0	
3/3/2010	C) 0	0	0	

Total 430

RECEIVED KANSAS CORPORATION COMMISSION

W2055 G. Ihrig 13-20 North Goodland Goodland None March-10

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
3/1/2010	13	26	5 2	3 ()
3/2/2010	13	26	. 2	3 ()
3/3/2010	13	26	. 2	2 ()
3/4/2010	12	25	2	0 0)
3/5/2010	14	27	' 1	6 0)
3/6/2010	12	2.5	2	4 ()
3/7/2010	12	2.5	2	3 0)
3/8/2010	11	24	2	3 ()
3/9/2010	11	. 24	2	3 ()
3/10/2010	11	. 24	2	2 0)
3/11/2010	11	24	. 2	2 ()
3/12/2010	11	24	. 2	2 ()
3/13/2010	11	. 24	2	:1 ()
3/14/2010	11	. 24	1	9 ()
3/15/2010	11	24	2	2 0)
3/16/2010	10	23	2	1 0)
3/17/2010	10	23	2	1 0)
3/18/2010	10	23	2	1 0) cal
3/19/2010	10	23	1	9 () bp
3/20/2010	10	23	2	1 0)
3/21/2010	10	23	2	0 0)
3/22/2010	10	23	2	1 0)
3/23/2010	10	23	2	0 0)
3/24/2010	10	23	2	1 0	opened to 27mcf
3/25/2010	9	22	. 2	3 0)
3/26/2010	ç	22	: 2	2 0)
3/27/2010	8	21	. 2	2 0)
3/28/2010	8	21	. 2	2 0)
3/29/2010	8	21	. 2	:1 0)
3/30/2010	8	21	. 2	:1 ()
3/31/2010	ç	22	. 1	9 ()

Total 660

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