KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)					
] Op	en Flow	, 1	SL											
	liverabil		•		Test Date 4/21/11) :				No. 15 1-20451-01 -	- C)C	.)		
Company		oui	ces, Inc.				Lease Bowma	n				=	Well Nu	mber
County Shermar	 1	-	Location NENW	on	Section 8		TWP 7S		RNG (E 39W	/W)			Acres A 80	ttributed
Field Goodlan	d				Reservoli Niobrara					thering Conne Systems Inc				
Completic 10/23/20		1			Plug Bac 3122'	k Total Dep	th		Packer \$	Set at				
Casing Si 4 1/2"	ize		Weight 10.5#		Internal D 4.000	Diameter	Set : 312		Perfo 305	orations 2'		To 3067'		
Tubing Si	ze		Weigh		Internal [Diameter	Set a	at .	Perio	orations		То		
Type Con Single (Type Flui Dry Ga	d Production	n		Pump U Flowir	nit or Traveling	Plunger	? Yes	No	
		(Anr	rulus / Tubing)	% C	arbon Diox	ide		% Nitrog	gen			avity - C	i,
Annulus			-					—				.6		
Vertical D	epth(H)) 				Pres Flan	sure Taps ge					(Meter	Run) (Pi	rover) Size
Pressure	Buildup):	Shut in 4-20) 2	0 11 at 4	:25	(AM)(PM)	Taken_4-	21	20	.11 at	4:40	(ам) (РМ)
Well on L	ine:	:	Started 4-2	<u> </u> 2	0 11 at 4	:40	(AM)(PM)	Taken 4-	22	20	.11 at	5:25	(АМ) (РМ)
						OBSERVE	D SURFAC	E DATA			Duration	n of Shut-	.ln_24	Hours
Static / Dynamic Property	Orific Size (inche	:	Circle one: Mater Prover Pressu		Flowing Temperature	Well Head Temperature	Mallhand		Wellhe	Tubing ead Pressure or (P,) or (P,)		ation ours)		d Produced Barrels)
Shut-In	•		psig (Pm)	Inches H ₂ 0	·		psig 17	psla 31.4	psig	psla				
Flow							18	32.4			24		0	
						FLOW STE	REAM ATTR	IBUTES	•					
Plate Coeffiect (F _b) (F Mcfd	lent ,)	Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{1t}	Fa	riation actor F	Metered Flov R (Mcfd)	¥	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G
										46				
					(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		•	(P,)	² = 0.2	07
(P _e) ² =		:	(P _w) ² =	<u></u> :	P ₄ =		% (!	o - 14.4) +	14.4 = _	:		(P ₄)	² =	
(P _c) ² - (F or (P _c) ² - (F	-	(P	(_c) ² - (P _w) ²	1. P _c ² - P _c ² 2. P _c ² - P _c ²	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Slo As	ssure Curve pe = "n" - or signed		LOG	An	tilog	Deli Equals	en Flow vorability R x Antilog
				divided by: P _c ² - P _w	by:		Stand	lard Slope		. '			ļ	Mcfd)
Open Flor	w			Mcfd @ 14.	65 psia		Deliverat	llity			Mcfd @	14.65 ps	la	
				behalf of the			•	_	_	ne above repo December	rt and ti	nat he ha		ledge of 20 11
			Witness (ii	any)			-		40	Ford	Company	<u> </u>	REC	EIVED
			For Comm	ission			-			Chec	cked by		APR :	2 4 2012

KCC WICHITA

exemp and the correct of equi	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Bowman 21-08H
	eleby request a one-year exemption from open now testing for the
staff as	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 urther agree to supply to the best of my ability any and all supporting documents deemed by Commissions 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.

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W2283 Bowman 21-08H North Goodland Goodland None April-11

.

	Casing]	HRS	REMARKS
DATE	PSI	STATIC M	iCF :	DOWN	(Maximum length 110 characters)
4/1/2011	17	7 30	66	0	
4/2/2011	18	3 31	67	0	
4/3/2011	18	3 31	71	0	
4/4/2011	17	7 30	65	0	
4/5/2011	17	7 30	63	0	bp
4/6/2011	18	31	70	0	
4/7/2011	18	3 31	68	0	
4/8/2011	18	3 31	67	0	
4/9/2011	18	3 31	70	0	
4/10/2011	19	32	72	0	
4/11/2011	17	7 30	66	0	
4/12/2011	18	3 31	67	0	bp
4/13/2011	18	3 31	72	0	
4/14/2011	18	3 31	69	0	
4/15/2011	10	5 29	62	0	
4/16/2011	17	7 30	63	0	
4/17/2011	18	3 31	68	0	
4/18/2011	18	3 31	69	0	
4/19/2011	17	7 30	66	0	
4/20/2011	17	7 30	66	0	shut in for test, VALVE LEAKE?
4/21/2011	17	7 30	0	24	opened up
4/22/2011	18	3 31	69	0	
4/23/2011	18	3 31	67	0	
4/24/2011	17	7 30	64	0	
4/25/2011	17	7 30	65	0	
4/26/2011	17	7 30	64	0	
4/27/2011	17	7 30	66	0	
4/28/2011	17	7 30	65	0	
4/29/2011	18	3 31	68	0	
4/30/2011	18	3 31	69	0	
5/1/2011	(0	0	0	

Total 1944

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W2283 Bowman 21-08H North Goodland Goodland None May-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
5/1/2011	1	7 30)	66	0
5/2/2011	1	7 30)	66	0
5/3/2011	1	7 30)	66	0
5/4/2011	18	3 31		70	0 offset zero cal. flowing 47
5/5/2011	14	4 27	,	32	0
5/6/2011	14	4 27	,	46	0
5/7/2011	1	4 27	,	46	0
5/8/2011	1	4 27	,	46	0
5/9/2011	1	4 27	,	44	0
5/10/2011	1:	5 28	}	36	4
5/11/2011	14	4 27	7	44	0
5/12/2011	14	4 27	,	45	0
5/13/2011	1	4 27	,	46	0
5/14/2011	1.	4 27	,	46	0
5/15/2011	14	4 27	,	46	0
5/16/2011	14	4 27	7	46	0
5/17/2011	1	4 27	7	46	0
5/18/2011	1	4 27	7	46	0
5/19/2011	1	4 27	7	46	0
5/20/2011	1	4 27	7	46	0
5/21/2011	1-	4 27	7	45	0
5/22/2011	1-	4 27	7	45	0
5/23/2011	1	4 27	7	45	0
5/24/2011	1-	4 27	,	45	0
5/25/2011	1	4 27	7	45	0
5/26/2011	1.	4 27	7	45	0
5/27/2011	1-	4 27	7	45	0
5/28/2011	1-	4 27	7	45	0
5/29/2011	1-	4 27	7	45	0
5/30/2011	1-	4 27	7	45	0
5/31/2011	1	4 27	7	44	1

Total 1469

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W2283 Bowman 21-08H North Goodland Goodland None June-11

•	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2011	1	4 27	7 45	0	cd
6/2/2011	1	4 27	7 39	3.5	
6/3/2011	1	4 27	7 45	0	
6/4/2011	1	4 27	7 45	0	
6/5/2011	1	4 27	7 45	0	
6/6/2011	1	4 27	7 34	7	
6/7/2011	1	4 27	7 41	0	
6/8/2011	1	4 27	7 42	0	
6/9/2011	1	4 27	7 44	0	
6/10/2011	1	4 27	7 45	0	
6/11/2011	1	4 27	7 45	0	
6/12/2011	1	4 27	7 45	0	
6/13/2011	1	4 27	7 44	0	
6/14/2011	1	4 27	7 44	0	bp
6/15/2011	1	4 27	7 45	0	
6/16/2011	1	4 27	7 45	0	
6/17/2011	1	4 27	7 45	0	
6/18/2011	1	4 27	7 45	0	
6/19/2011	1	4 27	7 45	0	
6/20/2011	1	4 27	7 45	0	
6/21/2011	1	4 27	7 44	2	
6/22/2011	1	4 27	7 42	2	
6/23/2011	1	4 27	7 44	0	
6/24/2011	1	4 27	7 43	0	
6/25/2011	1	4 27	7 44	0	
6/26/2011	1	4 27	7 43	0	
6/27/2011	1	4 27	7 42	0	
6/28/2011	1	4 27	7 44	0	
6/29/2011	1	4 27	7 44	0	
6/30/2011	1	4 27	7 42	0	
7/1/2011		0 (0	0	

Total 1305

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