KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:	~	7 CM				(See li	nstruc	tions on Re	everse Side	;)					
	pen Flov	•	X SI			Test D	Date:				AP	I No. 15				
[] De	eliverabi	ilty				5/13/						3-20554-000	00			PPEPE MILLERY A RAMII SAFTEM SHEET THERAPY
Compan		sour	ces, Inc.						Lease Northru	ıp				2-33	Well N	umber
County Location Cheyenne SWSE					Section 33			TWP 2S		RNG (E/W) 42W			Acres Attributed 80			
Field Cherry Creek					Reser Niobr				Gas Gathering Conr Branch Systems Ir				1		RECEIVE	
Completion Date 7-15-2004					Plug E 1815	Back Tota	Dept	h Packer Set at			Set at		manne of ever the every of		SEP 182	
Casing Size Weight 4 1/2" 10.5#				Internal Diameter 4.052			Set at 1820'		Perforations 1600'			To 1634'	K(CC WICH		
Tubing Size Weight NONE					Interna	al Diamet	er	Set	Set at		Perforations		То		1	
Type Cor Single						Type F	Fluid Prod Gas	duction	1		Pump U flowin	nit or Traveling	g Plun	ger? Yes	/(No	,
	g Thru		ulus / Tub	ing)			6 Carbon	Dioxi	de	% Nitrogen				Gas Gravity - G _g		
Vertical E)						Press Flan	sure Taps						Run) (P	rover) Size
			5.	13		08 at				. 5 <u>-</u>	14		08	2:00		
Pressure Buildup: Shut in 5-13 Well on Line: Started 5-14				0 <u>00</u> at 0 <u>08</u> at			(AM) (PM)	Taken_ Taken_5-	15			at at1:30		(AM) (PM) (AM) (PM)		
															24	
	I		Circle one	,.	Pressure		OBS	ERVE	D SURFAC		<u> </u>	T.bia.	Dura	tion of Shut-	24	Hours
Static / Dynamic Property	ritatic / Orifice // Meter Diff roperty (inches)		Differential in Inches H ₂ 0	Temperature Temperature		rature	Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)			Liquid Produced (Barrels)		
Shut-In			-		2				55	69.4	psig	psia				
Flow				<.					200	214.4			24		0	
							FLOW	/ STR	EAM ATTR	IBUTES						·
Plate Coeffiec (F _b) (F Mcfd	ient	M	ircle one: fleter or er Pressure psia		Press Extension ✓ P _m x h		ravity Factor F _g	Т	Flowing emperature Factor F ₁ ,	Fa	ation ctor	Metered Flow R (Mcfd)	N	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
												18				
(D \2 _			/D \2			-			ERABILITY	•		_	•		2 = 0.2	07
(P _c) ² =			(P _w) ²	Cho	ose formula 1 or 2:	<u></u>	-	<u>^</u>	,	ssure Curve	14.4 =	: :		(P _d) ²		
(P _c) ² - (F		(P _c)	²- (P _w)²		1. P _c ² - P _s ² 2. P _c ² - P _d ² led by: P _c ² - P _w ²	LOG of formulation 1. or 2 and divi	a 2.	2 W	Slop	ssure Colve pe = "n" - or signed ard Slope	n x	LOG		Antilog	Deli Equals	en Flow iverability R x Antilog (Mcfd)
Open Flor	w				Mcfd @ 14.0	55 psia			Deliverab	ility			Mcfd	@ 14.65 psi	a	
					ehalf of the report is true						lay of D	ne above repo ecember				ledge of 20 08
			Witness	(if any	')	7 ව්රා _{වසිතාය}	RPORATI	U'''	.		hord	e m	a/ Company	, , , , , , , , , , , , , , , , , , ,		
				·····						·	<u>.</u>					
			For Con	nmissio	n	Ž	MA .	المصيي	nivisio ^{ru}			Chec	ked by			
						C	ONSERVE	ATIH.	K2 DINIZION							

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Northrup 2-33 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
Date: 12/10/08 RECEIVED KANSAS CORPORATION COMMIS JAN 2 9 2009
CONSERVATION DIVISION Signature: Lusque Grafon WICHITA, KS
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.

SEP 1 8 2009

W363 Northrup 2-33 West St. Francis St. Francis Pumping Unit/Elec May-08

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
5/1/2008			75	24	5.5	6.5	0	5	
5/2/2008			74	24	5.5	6.5	0	6	
5/3/2008			74	24	5.5	6.5	0	5	
5/4/2008			75	24	5.5	6.5	0	6	
5/5/2008			75	24	5.5	6.5	0	6	
5/6/2008			74	24	5.5	6.5	0	5	
5/7/2008			76	24	5.5	6.5	0	6	
5/8/2008			76	24	5.5	6.5	0	6	bucket test 8 min
5/9/2008			76	24	5.5	6.5	0	5	
5/10/2008			76	24	5.5	6.5	0	6	
5/11/2008			76	25	5.5	6.5	0	7	
5/12/2008			75	24	5.5	6.5	0	6	
5/13/2008			73	24	5.5	6.5	0	6	bucket test 8 min greased
5/14/2008		55	71	24	. 0	0	0	7	shut in for test
5/15/2008		200	76	1	5.5	6.5	0	0	open
5/16/2008			81	37	5.5	6.5	0	6	-
5/17/2008			76	24	5.5	6.5	0	6	
5/18/2008			79	25	5.5	6.5	0	8	
5/19/2008			79	24	5.5	6.5	0	5	
5/20/2008			79	23	5.5	6.5	0	6	
5/21/2008			78	22	5.5	6.5	0	5	
5/22/2008			78	22	5.5	6.5	0	6	bucket test 8 min
5/23/2008			79	21	5.5	6.5	0	5	
5/24/2008			78	21	5.5	6.5	0	6	
5/25/2008			77	20	5.5	6.5	0	5	
5/26/2008			77	20	5.5	6.5	0	4	
5/27/2008			77	20	5.5	6.5	0	5	
5/28/2008			78	20	5.5	6.5	0	6	
5/29/2008			78	19	5.5	6.5	0	6	bucket test 8 min
5/30/2008			79	19	5.5	6.5	0	5	
5/31/2008			78	20	5.5	6.5	0	7	

Total 695 173



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W363 Northrup 2-33 West St. Francis St. Francis Pumping Unit/Elec June-08

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
6/1/2008			78	19	5.5	6.5	0	6	
6/2/2008			78	19	5.5	6.5	0	5	
6/3/2008			78	18	5.5	6.5	0	5	
6/4/2008			77	18	5.5	6.5	0	6	bucket test 8 min
6/5/2008			77	18	5.5	6.5	0	7	
6/6/2008			76	18	5.5	6.5	0	6	
6/7/2008			80	18	5.5	6.5	0	5	
6/8/2008			78	18	5.5	6.5	0	6	
6/9/2008			76	18	5.5	6.5	0	7	
6/10/2008			77	18	5.5	6.5	0	8	
6/11/2008			80	17	5.5	6.5	0	7	
6/12/2008			79	17	5.5	6.5	0	6	bucket test 8 min
6/13/2008			79	17	5.5	6.5	0	7	
6/14/2008			80	17	5.5	6.5	0	5	
6/15/2008			80	17	5.5	6.5	0	6	
6/16/2008			79	17	5.5	6.5	0	5	
6/17/2008			77	17	5.5	6.5	0	7	
6/18/2008			78	17	5.5	6.5	0	6	
6/19/2008			76	17	5.5	6.5	0	6	bucket test 8 min
6/20/2008			77	17	5.5	6.5	0	5	
6/21/2008			77	17	5.5	6.5	0	6	
6/22/2008			76	17	5.5	6.5	0	7	
6/23/2008			78	17	5.5	6.5	0	6	
6/24/2008			77	17	5.5	6.5	0	7	
6/25/2008			77	17	. 5.5	6.5	0	6	
6/26/2008			77	17	5.5	6.5	0	8	
6/27/2008			76	16	5.5	6.5	0	8	
6/28/2008			76	16	5.5	6.5	0	7	
6/29/2008			76	16	5.5	6.5	0	7	
6/30/2008			76	16	5.5	6.5	0	6	
7/1/2008							0		

Total 518 189

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W363 Northrup 2-33 West St. Francis St. Francis Pumping Unit/Elec July-08

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2008			76	16	5.5	6.5	0	4	-
7/2/2008			80	16	5.5	6.5	0	5	
7/3/2008			78	16	5.5	6.5	0	6	
7/4/2008			78	16	5.5	6.5	0	5	
7/5/2008			83	16	5.5	6.5	0	4	
7/6/2008			86	16	5.5	6.5	0	5	
7/7/2008			84	16	5.5	6.5	0	6	
7/8/2008			82	16	5.5	6.5	0	5	
7/9/2008			79	16	5.5	6.5	0	6	bucket test 8 min
7/10/2008			83	16	5.5	6.5	0	5	
7/11/2008			91	16	5.5	6.5	0	6	
7/12/2008			84	16	5.5	6.5	0	4	
7/13/2008			80	16	5.5	6.5	0	5	
7/14/2008			112	16	5.5	6.5	11	4	PU off HFP
7/15/2008			121	14	0	0	0	0	
7/16/2008			102	14	0	0	0	0	pu off hfp greased
7/17/2008			85	14	0	0	0	0	pu off hfp
7/18/2008			117	14	0	0	0	0	pu off hfp
7/19/2008			68	14	5.5	6.5	3	0	started pumping unit
7/20/2008			75	14	5.5	6.5	0		
7/21/2008			78	14	5.5	6.5	0	5	
7/22/2008		65	82	15	5.5	6.5	0	8	bucket test 6 min
7/23/2008			83	15	5.5	6.5	0	7	
7/24/2008			88	15	0	0	4	6	pump off hfp
7/25/2008			87	14	0	0	0	0	• •
7/26/2008			78	14	0	0	0	0	
7/27/2008			64	13	5.5	6.5	0	6	restart pump
7/28/2008			71	14	5.5	6.5	0	7	• •
7/29/2008		•	81	14	5.5	6.5	0	6	
7/30/2008			169	14	0	0	0	5	pump off hfp
7/31/2008			83	13	5.5	6.5	. 5		restart pump

Total 463 126

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