RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	_ 6	ZSI		(-	See Instruc	tions on Re	verse Side	9)					
= :		70		Test Date					I No. 15	_			
	erabilty			6/20/20	13			18 [,]	1-20326-00 0	Ó	Maril Marine		
Company Rosewood	Resour	rces	•			Lease Crouch				1-3	Well Number		
County Location Sherman SWNE			ion '	Section 3	TWP 7S			:/W)		Acres Attribu	uted		
Field Goodland				Reservoir Niobrara	Reservoir			39W Gas Gathering Connection Branch Systems Inc.					
Completion I 3-19-2003					k Total Dep	th		Packer					
Casing Size		Weigh	nt	Internal D	Internal Diameter Set at				orations	To			
1/2" Tubing Size	·—	9.5# Weigh	nt	4.090 Internal D	Diameter	1214' eter Set at			orations	To	1037' To		
Type Comple					Type Fluid Production				nit or Traveling	Plunger? Yes	res / (No)		
Single (Co				Dry Ga				Flowir					
Producing Th Annulus	hru (Anr	nulus / Tubin	g)	% C	arbon Diox	ide		% Nitro	gen 	6	Gravity - G _g		
Vertical Dept	oth(H)					ssure Taps				(Mete	r Run) (Prover) Size	
1037'		6-1	9	0 13 at 12	Flar 2:00	<u> </u>	6-	-20		13 _{at} 12:10)		
Pressure Bui		Shut in 6-1 Started 6-2		0 13 at 12 0 13 at 12	(AM) (PM)	(AM) PM Taken 6-20 (AM) PM Taken 6-21			13 _{at} 1:00		$\stackrel{\smile}{\sim}$		
Well on Line:	∋:	Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM)		
					OBSERVE	ED SURFAC	E DATA			Duration of Shu	_{it-in} 24	_ Hours	
Dynamic	Orifice Size (inches)	Circle one: Meter Prover Pressi		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		psig (Pm)	Inches H ₂ 0			psig 7	psia 21.4	psig	psia			_	
Flow	_			_		5	19.4			24	0		
		<u> </u>	<u> </u>		FLOW STI	REAM ATTR	<u> </u>						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension P _m x h		Grav Fact	ctor Temperature		Dev Fa	Deviation Metere Factor F F _{pv} (Mc		v GOI (Cubic I Barre	Feet/ G	owing fluid ravity G _m	
									8				
P _c)² =		(P)2 =	:	(OPEN FLO		/ERABILITY % (F	') CALCUL P _c - 14.4) +				$(a)^2 = 0.207$ $(b)^2 =$		
(P _c) ² - (P _a) ² or (P) ² - (P) ²	2 (F	(P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - P _d ² 2. P _c ² - P _d ²			LOG of formula 1. or 2.		Backpressure Curve Slope = "n" or Assigned		LOG	Antilog	Open F Deliveral Equals R x	Open Flow Deliverability Equals R x Antilog	
	-		divided by: $P_c^2 - P_w^2$	2 by:	P _c ² -P _w ²		lard Slope				(Mcfd		
			Martin	OF pair		D-1:				Motel @ 14 CF	noin .		
Open Flow			Mcfd @ 14.			Deliverab				Mcfd @ 14.65 p			
	_	-								rt and that he l	has knowledge , 20 <u>_</u> 1		
e tacts state	ed therei	n, and that sa	aid report is true	e and correct	. Executed	this the _2			lovember	100-	, 20 <u>_</u> _ 	<u> </u>	
	-	Witness (if any)					Jai	IMUL For C	Company (CC)	KCC V	,) VICI	
		For Comm	nission			-			Chec	cked by	DEC 2		

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 Crouch 1-3 gas well on the grounds that said well: (Check one) Is a coalbed methane producer Is a coalbed methane producer 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. If under the producing at a daily rate in excess of 250 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Signature:		
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Signature:		
Date: 11/26/13 Signature: Danuel Marting		
Signature: <u>Janual Marting</u>	I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
Signature: <u>Janual Marting</u>	_	
Signature: Chulled March	_	
Signature: Claude Manuel Manuel	staff as necessar	
Signature: Claude Manuel Manuel	staff as necessar	
Signature: CMMUL MUCHUNG	staff as necessar	
Title: Production Assistant	staff as necessar	
	staff as necessar	y to corroborate this claim for exemption from testing.
	staff as necessar	y 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.

W396 Crouch 1-3 North Goodland Goodland None June-13

	Casing			HRS	Ţ	REMARKS
DATE	PSI	STATIC	MCF	DOW	/N	(Maximum length 110 characters)
6/1/2013	4	1′	7	8	0	
6/2/2013	4	1′	7	8	0	
6/3/2013	4	1′	7	8	0	
6/4/2013	. 4	1′	7	8	0	
6/5/2013	4	1	7	8	0	
6/6/2013	4	1′	7	8	0	
6/7/2013	4	1′	7	8	0	
6/8/2013	4	1′	7	8	0	
6/9/2013	4	1′	7	8	0	
. 6/10/2013	4	1	7	8	0	
6/11/2013	4	1′	7	8	0	
6/12/2013	4	1′	7	8	0	
6/13/2013	4	1′	7	8	0	
6/14/2013	4	1′	7	8	0	
6/15/2013	4	17	7	8	0	
6/16/2013	4	1′	7	8	0	
6/17/2013	4	1′	7	8	0	
6/18/2013	4	17	7	8	0	
6/19/2013	4	17	7	8	0	shut in
6/20/2013	7	20)	0	24	opened up
6/21/2013	4	10	7	8	0	
6/22/2013	4	17	7	8	0	
6/23/2013	4	17	7	8	0	
6/24/2013	4	17	7	8	0	
6/25/2013	5	18	3	7	0	
6/26/2013	5	18	3	7	0	
6/27/2013	5	18	3	7	0	
6/28/2013	5	18	3	7	0	
6/29/2013	. 5	18	3	7	0	
6/30/2013	5	18	;	7	0	•
7/1/2013					0	

Total 226

W396 Crouch 1-3 North Goodland Goodland None July-13

	Casing			HR	ıs T	REMARKS
DATE	PSI	STATIC	MCF) WN	(Maximum length 110 characters)
7/1/2013		5 1	8	8	0	<u> </u>
7/2/2013		5 1	.8	8	0	
7/3/2013			8	8	0	
7/4/2013		5 1	.8	8	0	
7/5/2013		5 1	8	8	0	
7/6/2013		5 1	8	8	0	
7/7/2013		5 1	8	8	0	
7/8/2013		5 1	.8	8	0	
7/9/2013		5 1	.8	8	0	
7/10/2013		5 1	8	8	0	
7/11/2013		5 1	8	8	0	
7/12/2013		5 1	8	8	0	
7/13/2013		5 1	8	8	0	
7/14/2013		5 1	8	8	0	
7/15/2013		5 1	8	8	0	
7/16/2013		5 1	8	8	6.5	
7/17/2013		5 1	8	7	0	
7/18/2013		5 1	8	8	0	
7/19/2013		5 1	8	8	0	
7/20/2013		5 1	8	8	0	
7/21/2013		5 1	8	8	0	
7/22/2013		5 1	8	8	0	
7/23/2013		5 1	8	8	0	
7/24/2013		5 1	8	8	0	
7/25/2013		5 1	8	8	0	
7/26/2013		5 1	8	8	0	
7/27/2013		5 1	8	8	0	
7/28/2013		5 1	8	8	0	
7/29/2013		5 1	8	8	0	V.
7/30/2013		5 1	8	8	0	
7/31/2013		5 1	8	8	0	

Total 247