KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	10-		(See Instruct	tions on Rev	erse Side))				
Op	en Flow	AST		T				4.00	. N 45			
	liverabilty			Test Date 7/31/14):				I No. 15 I - 20326-00 5	10		
Company		ources				Lease Crouch				1-3	Well Nur	nber
County Shermar	n	Locati SWNE	on	Section 3		TWP 7S		RNG (E 39W	/W)		Acres At	tributed
Field Goodlan	nd		_	Reservoir Niobrara					thering Conn Systems In			
Completio 8-19-200			_	Plug Bac 1201'	k Total Dept	th		Packer \$	Set at			
Casing S 4 1/2"	ize	Weigh 9.5#	ıt	Internal Diameter Set at 4.090 1214'			Perfo	orations 7'	™ 1037	то 1037'		
Tubing Si	ize	Weigh	ıt	Internal I	Internal Diameter Set at				rations	То		
Type Con Single ((Describe) ntional)		Type Flui Dry Ga	d Production	n		Pump U	nit or Traveling 1 9	Plunger? Yes	s / (No)	
Producing Annulus	-	Annulus / Tubing	g)	% C	arbon Dioxi	ide		% Nitrog	jen	Gas G	aravity - G	9
Vertical D	Depth(H)				Pres Flan	sure Taps ge				(Meter	r Run) (Pro	over) Size
Pressure	Buildup:		0 2							14 at 12:10)(#	AMX(PM)
Well on L	ine:	Started 7-3	12	0 <u>14</u> at <u>1</u>	2:10 	(AM) (PM)	Taken_8-	·1 	20	14 _{at} 1:00	(<i>F</i>	MM) (PM)
_				_	OBSERVE	D SURFACE	DATA			Duration of Shu	_{it-in} 24	Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressu		Flowing Temperature t	Well Head Temperature	Casi Wellhead I (P _w) or (P	ressure	Wellhe	Tubing ead Pressure or (P ₁) or (P ₀)	Duration (Hours)		Produced arrels)
Shut-In	(mone)	/ psig (Pm)	Inches H ₂ 0		<u> </u>	psig 8	psia 22.4	psig	psia		_	
Flow						5	19.4			24	0	
					FLOW STR	REAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	cient	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m xh	Grav Fac	tor	Flowing Temperature Factor F _{ft}	Fa	riation actor F _{pv}	Metered Flow R (Mcfd)	W GOI (Cubic I Barre	Feet/	Flowing Fluid Gravity G _m
				ı		_			8			
(P _c) ² =		: (P _w)²=	,	(OPEN FL		/ERABILITY) % (P	CALCUL c - 14.4) +) ² = 0.20	07
(P _c) ² - (I		(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P ₀ ² - P _a ² 2. P ₀ ² - P _d ²	LOG of formula 1. or 2.		Backpres Slop	sure Curve e = "n" or	n x	rog	Antilog	Ope Deliv	en Flow verability R x Antilog
	· d/		divided by: P _c ² -P _w ²	and divide	P _c ² -P _w ²		ard Slope				(1	Mcfd)
Open Flo	w		Mcfd @ 14.	65 psia		Deliverabi	ility			Mcfd @ 14.65 p	sia	
	-							_		ort and that he		
the facts s	stated the	rein, and that s	aid report is true	and correc	t. Executed Receiv				ull '	MInt		o <u>14</u>
		Witness (if any)	KANSAS	CORPORATIO	ON COMMISSION	1	LV (For	Company Company	ne j	
		For Comm	nission		EB 2 5	2015 -		_	Che	ocked by		 -

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 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 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.
Date: 12/22/14
Received KANSAS CORPORATION COMMISSION FEB 2 5 2015 CONSERVATION DIVISION WICHITA, KS 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 July-14

	Casing			HRS	REMARKS
DATE	PSI_	STATIC	MCF_	DOWN	(Maximum length 110 characters)
7/1/2014	4	17		3 0)
7/2/2014		4 17	;	3 0)
7/3/2014		4 17	· · · · · · · · · · · · · · · · · · ·	3 0)
7/4/2014		4 17	· .	3	i e
7/5/2014	4	4 17	;	3 0)
7/6/2014		4 17	· .	3 0)
7/7/2014		4 17	· ;	3 0)
7/8/2014	:	5 18	•	7 0)
7/9/2014	:	5 18	•	7 0)
7/10/2014	;	5 18	•	7 0)
7/11/2014		5 18	· ·	7 0)
7/12/2014	:	5 18	,	7 0)
7/13/2014	:	5 18	,	7 0)
7/14/2014	:	5 18	,	7 0)
7/15/2014	;	5 18		7 3	•
7/16/2014		5 18		7 0	1
7/17/2014		4 17	1	1 0)
7/18/2014	,	5 18	,	7 0)
7/19/2014	:	5 18	•	7 0)
7/20/2014		5 18	,	7 0)
7/21/2014		5 18		7 0)
7/22/2014		5 18		7 0)
7/23/2014		5 18	,	7 0)
7/24/2014		5 18	,	7 0)
7/25/2014	,	5 18	,	7 0)
7/26/2014		5 18	•	7 0)
7/27/2014	,	5 18		7 0)
7/28/2014		5 18	ļ ·	7 0)
7/29/2014		5 18	,	7 0)
7/30/2014		4 17	10	0 0	shut in for state
7/31/2014		8 21	1) 24	opened up

Total

224

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FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W396 Crouch 1-3 North Goodland Goodland None August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	1	(Maximum length 110 characters)
8/1/2014		5 1	8	10	0	
8/2/2014		5 1	8	8	0	
8/3/2014		5 1	8	7	0	
8/4/2014		5 1	8	7	0	
8/5/2014		5 1	8	7	0	
8/6/2014		5 1	8	7	0	
8/7/2014		5 1	8	7	0	
8/8/2014		5 1	8	7	3	
8/9/2014		5 1	8	7	0	
8/10/2014		5 1	8	7	0	
8/11/2014		5 1	8	7	0	
8/12/2014		5 1	8	7	0	
8/13/2014		5 1	8	7	0	
8/14/2014		5 1	8	8	0	
8/15/2014		5 1	8	8	0	
8/16/2014		5 1	8	8	0	
8/17/2014		5 1	8	8	0	
8/18/2014		5 1	8	8	0	
8/19/2014		5 1	8	8	0	
8/20/2014		5 1	8	8	2	
8/21/2014		5 1	8 .	8	0	
8/22/2014		5 1	8	8	0	
8/23/2014		5 1	8	8	0	
8/24/2014		5 1	8	8	0	
8/25/2014		5 1	8	8	0	
8/26/2014		4 1	7	9	0	
8/27/2014		4 I	7	9	0	
8/28/2014		4 1	7	9	0	
8/29/2014			7	9	0	
8/30/2014		4 1	7	9	0	
8/31/2014			7	9	0	

Total

245

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FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W396 Crouch 1-3 North Goodland Goodland None September-14

	Casing				S	REMARKS		
DATE	PSI	STATIC	MCF	DO	WN	(Maximum length 110 characters)		
9/1/2014		5	18	9	0			
9/2/2014		5	18	9	0			
9/3/2014		5	18	9	0			
9/4/2014		5	18	9	0			
9/5/2014		5	18	9	0			
9/6/2014		5	18	9	0			
9/7/2014		5	18	9	0			
9/8/2014		5	18	9	0			
9/9/2014		4	17	8	0			
9/10/2014		4	17	8	0			
9/11/2014		4	17	8	0			
9/12/2014		4	17	8	0			
9/13/2014		4	17	8	0			
9/14/2014		4	17	8	0			
9/15/2014		4	17	8	0.5			
9/16/2014		4	17	8	0			
9/17/2014		4	17	8	0			
9/18/2014		4	17	8	0.5			
9/19/2014		4	17	8	0			
9/20/2014		4	17	8	0			
9/21/2014		4	17	8	0			
9/22/2014		4	17	8	0			
9/23/2014		4	17	8	0			
9/24/2014		5	18	8	0			
9/25/2014		5	18	8	0			
9/26/2014		5	18	8	0			
9/27/2014		5	18	8	0			
9/28/2014		5	18	8	0			
9/29/2014		5	18	8	0			
9/30/2014		5	18	8	0			
10/1/2014					0			

Total 248

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