Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes		and the same		t	(See Instruc	tions on Rev	erse Side)					
	en Flow diverabilty	ASL		Test Date 10/24/2					No. 15 -20402-00	000			
Company	y			10/24/2	<u> </u>	Lease Trachse	 el	101	-20402-00	21-1	Well N	umber	
County Location Sherman NWNE				Section 13			TWP RNG (E/W) 7S 39W			Acres Attributed 80			
Field Goodland				Reservoi Niobrara				Gas Gat	nering Conn Systems In				
Completi 2/24/20					k Total Dep	th		Packer S			 -		
Casing Size Weight 2 7/8" 6.5#			t	Internal I 2.441	Diameter	Set at 1146'		Perforations 996'		т _о 1028'			
Tubing Size Weight none			t	Internal I			Perfo			То			
Type Cor Single (Type Flui Dry Ga	id Production	n		Pump Un	it or Traveling	Plunger? Yes	7 (No)	
Producing	g Thru (A	nnulus / Tubing	1)	<u>`</u>	arbon Dioxi	ide		% Nitroge	<u> </u>		aravity -	G _g	
Annulus Vertical E 1150'					Pres Flan	sure Taps		_		.6 (Meter 2"	r Run) (F	Prover) Size	
-	Ruildun:	Shut in 10-	23 ,	0_13 _{at} 8		 _	Taken 10)-24	20	13 _{at} 8:50		(AM) (PM)	
	Pressure Buildup: Shut in 10-23 Well on Line: Started 10-24		242	0_13 at 8			(PM) Taken 10-24 (PM) Taken 10-25			13 _{at} 9:35		(AM)(PM)	
	<u>-</u> _	_			OBSERVE	D SURFACE	DATA			Duration of Shu	t-in_24	Hou	
Static / Dynamic Property	ynamic Size Pro		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shut-In		psig (Pm)				7	psia 21.4	psig	psia	<u> </u>	1		
Flow						5	19.4			24	0		
					FLOW STR	REAM ATTRI	BUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psìa	Press Extension √ P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>			<u> </u>		4		_ _ _		
(P _c) ² =	_ :	(P _w) ² =	:	(OPEN FLO		'ERABILITY) % (P,	CALCUL - 14.4) +		:		,) ² = 0.2	207	
(P _c) ² - (I or (P _o) ² - (I	1	2. Pc-Pd 1.		LOG of formula 1, or 2, and divide	LOG of Slope = "n			n x LOG		Antilog	Antilog Equals		
	-					+				·	 -		
Open Flor	 w		Mcfd @ 14.	65 psía		Deliverabil	ity			Mcfd @ 14.65 p	sia		
		ed authority, or								ort and that he h	ias knov	vledge of 20 13	
		Witness (if		KANSĀ		2 6 2013		XIII	nul	Mac	tur	4_	
		·				TION DIVISI OI	·						
		For Commi	ssion		WICH	HITA, KS			Chec	cked 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 Trachsel 21-13 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: 11/26/13
RECEIVED KANSAS CORPORATION COMMISSION Signature: DEC 2 6 2013 Title: Production Assistant CONSERVATION DIVISION WICHITA, KS

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.

W2264 Trachsel 21-13 North Goodland Goodland None October-13

	Casing			HRS	·	REMARKS
DATE	_PSI	STATIC	MCF	DOW	N_	(Maximum length 110 characters)
10/1/2013	5	5 18		4	0	
10/2/2013	5	18		4	0	
10/3/2013	5	18		4	0	
10/4/2013	5	5 18		4	0	
10/5/2013	5	5 18		4	0	
10/6/2013	5	18		4	0	
10/7/2013	5	5 18		4	0	
10/8/2013	4	5 18		4	0	
10/9/2013	5	5 18		4	0	
10/10/2013	4	5 18	•	4	0	
10/11/2013	5	18		4	0	
10/12/2013	5	18		4	0	
10/13/2013	4	18		4	0	
10/14/2013	4	5 18		4	0	
10/15/2013	5	18	1	4	3	
10/16/2013	5	18		3	7	
10/17/2013	5	18	1	4	0	
10/18/2013	5	18		4	0	
10/19/2013	5	18	1	4	0	
10/20/2013	5	18		4	0	
10/21/2013	5	18	•	4	0	
10/22/2013	5	18		4	0	
10/23/2013	4	17		5	0	shut in
10/24/2013	7	7 20)	0	24	opened up
10/25/2013	5	18		4	0	
10/26/2013	5	18	1	4	0	
10/27/2013	5	18		4	0	
10/28/2013	5	5 18		3	2	
10/29/2013	<u> </u>	5 18		4	0	
10/30/2013	4	5 18	ı	4	0	
10/31/2013	5	18		4	1.5	

Total 119

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W2264 Trachsel 21-13 North Goodland Goodland None November-13

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2013		5 1	8	4	0	
11/2/2013		5 1	.8	4	0	
11/3/2013		5 1	.8	4	0	
11/4/2013		5 1	8	4	0	
11/5/2013		5 1	.8	4	0	
11/6/2013		5 1	.8	4	0	
11/7/2013		5 1	.8	4	0	
11/8/2013		5 1	.8	4	0	
11/9/2013		5 1	.8	4	0	
11/10/2013		5 1	.8	4	0	
11/11/2013		5 1	.8	4	0	
11/12/2013		5 1	.8	4	0	
11/13/2013		5 1	.8	4	0 b _j	p
11/14/2013		5 1	.8	4	0	
11/15/2013		5 1	8	4	0	
11/16/2013		5 1	8	4	0	
11/17/2013		5 1	8	4	0	
11/18/2013		5 1	8	4	0	
11/19/2013		5 I	.8	4	0	
11/20/2013		5 1	8	4	0	
11/21/2013		5 1	.8	4	0	
11/22/2013		5 I	.8	4	0	
11/23/2013		5 1	.8	4	0	
11/24/2013		5 1	.8	4	0	
11/25/2013		5 1	.8	4	0	
11/26/2013		5 1	8	4	0	
11/27/2013		5 1	.8	4	0	
11/28/2013		5 1	.8	4	0	
11/29/2013		5 1	.8	4	0	
11/30/2013		5 1	.8	4	0	
12/1/2013					0	

Total

120

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