KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	سيمدين			(See Instruct	ions on Re	verse Side	3)				
Open Flow AS					Toet Date	Test Date: API No. 15							
Deliverabilty					9/30/2015					20413-00 0	O		
Company		ources					Lease Knudso	n			24-		lumber
County Location Sherman SESW				Section 7				, ,			Acres Attributed 80		
Field Goodlan	ıd		_			Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.				
Completio 5/28/200		1			Plug Back Total Depth 1136'				Packer Set at				
Casing Si 4 1/2"	ize		Weight 0.5#		Internal I 2.441	Diameter		Set at 1136'		Perforations 922'		2'	
Tubing Si	ize	1	Neight		Internal [Internal Diameter Set at			Perforations				-
		(Describe) entional)			Type Flui Dry Ga	id Production	1		Pump Unit	or Traveling	Plunger?	/es / No)——
<u> </u>	g Thru	(Annulus /	Tubing)		<u>·</u>	% Carbon Dioxide			% Nitrogen			Gas Gravity - G	
Vertical D)				Pressure Taps Flange						ter Run) (Prover) Size
	Buildup	: Shut in	9-30	2	0_15 at 9	15 at 9:00 (AM) (PM) Taken 1)-1	15 _{at} 9:10)	.(AM)(PM)	
Well on Li		Started	10-1	20	15 at 9:10 (PM) Taken			Taken 10	10-2 ₂₀ <u>15</u> a			00	AM)PM)
-					_	OBSERVE	D SURFAC	E DATA			Duration of S	hut-in 24	4 Hours
Static / Dynamic Property	Dynamic Size Prover Pressure in		Differential in	Flowing Temperature t	Temperature Temperature (P) or (P) or (P)		Pressure	(P _w) or (P ₁) or (P _c)		Duration (Hours)			
Shut-In		paig	(Pm)	Inches H ₂ 0		 -	psig 12	_{psia} 26.4	psig _	psia			
Flow	Flow			-	1 15.4					24 0			
	-,					FLOW STR	EAM ATT	IBUTES				_	
Coefficient Meter or Extens		Press Extension ✓ P _m x h	Gravity Ti Factor Ti		Flowing femperature Factor F _{II}	emperature Factor		Metered Flow R (Mcfd)		OR c Feet/ .rrel)	Flowing Fluid Gravity G _m		
								5					
/D \2 _	•		D 12 _		•	OW) (DELIV		') CALCUL				$(P_a)^2 = 0$ $(P_d)^2 = \underline{\hspace{1cm}}$.207
$(P_c)^2 = $	D /2	(P _c)²- (P	Che	1. P _o ² - P _a ²	P _d =		Backpre	ssure Curve					Open Flow
or (P _c) ² - (P _d) ² 2. P _c ² - P _c ² divided by: P _c ² - P _c ²		formula 1. or 2. and divide	formula 1. or 2. and divide p²-p² Assigner					Antilog		eliverability als R x Antilog (Mcfd)			
	_		-					<u></u> _					
Open Flor	w			Mcfd @ 14.	65 psia		Deliveral	ollity	<u>-</u>		Mcfd @ 14.65	psia	
				pehalf of the			_	_	o make the		ort and that he	e has kno	wledge of
			itness (if ar			C WIC		7	Zin	all	<u>Ma</u>	tu	4_
		Fo	or Commissi	ion	AF	PR 07 2	016			Che	cked by		
					F	RECEIV	ED.						

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 Knudson 24-7 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date:	on
KCC WICHITA APR 0 7 2016 RECEIVED	

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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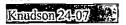
None

September-15

	Casing		H	RS	REMARKS
DATE	<u>PS</u> I	STATIC MCF	D(NWC	(Maximum length 110 characters)
9/1/2015		14	5	0	
9/2/2015	:	l 14	5	0	
9/3/2015	1	l 14	5	0	
9/4/2015]	l 14	5	0	
9/5/2015	1	l 14	5	0	
9/6/2015		l 14	5	0	
9/7/2015		l 14	5	0	
9/8/2015		l 14	5	0	
9/9/2015	1	14	5	0	
9/10/2015	}	l 14	5	0	
9/11/2015	1	l 14	5	0	
9/12/2015		l 14	5	0	
9/13/2015	1	l 14	5	0	
9/14/2015	1	l 14	5	0	
9/15/2015]	l 14	5	0	
9/16/2015]	l 14	5	0	
9/17/2015	1	14	5	0	
9/18/2015	1	14	5	0	
9/19/2015	1	l 14	5	0	
9/20/2015	1	l 14	5	0	
9/21/2015]	14	5	0	
9/22/2015	1	14	5	0	
9/23/2015	1	l 14	5	0	
9/24/2015	1	l 14	5	0	
9/25/2015	j	14	5	0	
9/26/2015	1	14	5	0	
9/27/2015	1	14	5	0	
9/28/2015]	l 14	5	0	
9/29/2015	1	14	0	22	
9/30/2015	12	2 25	0	24	24 hr shut in pressure for state
10/1/2015	(0	0	0	-

Total 140

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None

October-15

	Casing		HI	RS	REMARKS
DATE	PSI	STATIC MCI	_ D0	NWC	(Maximum length 110 characters)
10/1/2015	18	31	0	24	
10/2/2015	7	20	11	7	
10/3/2015	4	17	9	0	
10/4/2015	3	16	7	0	
10/5/2015	2	15	6	0	
10/6/2015	2	15	6	0	
10/7/2015	2	15	6	0	
10/8/2015	2	15	5	2	
10/9/2015	2	15	5	2	
10/10/2015	1	14	5	2	
10/11/2015	1	14	6	0	
10/12/2015	1	14	5	4	
10/13/2015	1	14	5	0	
10/14/2015	1	14	5	0	
10/15/2015	1	14	5	0	
10/16/2015	I	14	5	0	
10/17/2015	1	14	5	0	
10/18/2015	1	14	5	0	
10/19/2015	1	14	5	0	
10/20/2015	1	14	5	0	
10/21/2015	1	14	5	0	
10/22/2015	1	14	5	0	
10/23/2015	1	14	5	0	
10/24/2015	1	14	5	0	
10/25/2015	1	14	5	0	
10/26/2015	1	14	5	0	
10/27/2015	1	14	5	0	
10/28/2015	1	14	5	0	
10/29/2015	1	14	5	0	
10/30/2015	1	14	5	0	
10/31/2015	1	14	5	0	

Total 166

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W2518 Knudson 24-07

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None

November-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2015		1 14	5	0	
11/2/2015		7 20	5	0	
11/3/2015		4 17	5	0	need battery
11/4/2015		3 16	5	0	
11/5/2015		2 15	5	0	
11/6/2015		2 15	· 5	0	
11/7/2015		2 15	5	0	
11/8/2015		2 15	5	0	
11/9/2015		2 15	5	0	
11/10/2015		1 14	5	0	
11/11/2015		1 14	6	0	
11/12/2015		1 14	5	0	
11/13/2015		1 14	5	0	
11/14/2015		I 14	5	0	
11/15/2015		1 14	5	0	
11/16/2015		1 14	5	0	
11/17/2015		1 14	5	0	
11/18/2015		1 14	5	0	
11/19/2015		I 14	5	0	
11/20/2015		1 14	5	1	
11/21/2015		1 14	5	0	
11/22/2015		1 14	5	0	
11/23/2015		1 14	5	0	
11/24/2015		1 14	5	0	
11/25/2015		1 14	5	0	
11/26/2015		1 14	5	0	
11/27/2015		1 14	5	0	
11/28/2015		1 14		0	
11/29/2015		1 14		0	
11/30/2015		1 14	5	0	replaced battery
12/1/2015		0 0	0	0)

Total 151

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