KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(-	See Instruc	tions on Rev	verse Side)					
Op	en Flow	MSI			T -1 D-1				4.51	N- 45				
Deliverabilty					10/1/14	Test Date: API No. 15 10/1/14 181-20487-0100					•			
Company	od Res	ources, Ir	ıc.				Lease Nemech	iek			21-23	Well Nu BH	mber	
_				Section 23				RNG (E/	W)		Acres Attributed 80			
Field					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.					
Completic 11/23/20				_	Plug Bac 3207'	k Total Depi	th		Packer S	et at				
Casing Si 4 1/2"	ize		Veight 0.5#		Internal Diameter Set at 4.000 3207'				Perfor	ations	To 3136	To 3136'		
Tubing Si	ze	1	Veight		Internal D	Internal Diameter Set at			Perfor	ations	То	То		
Type Com		(Describe)			Type Fluid	d Production	n		Pump Un	it or Traveling	Plunger? Yes	No		
	Thru (Annulus /	Tubing)			arbon Dioxi	ide		% Nitrogo		Gas G	ravity - (a _g	
Vertical D						Pres	sure Taps		 .			Run) (P	rover) Size	
3298'						Flan	ge							
Pressure	Buildup					14 at 1:05 (AM)(PM) Taken					14 at 1:15	((AM)(PM)	
Well on L	ine:	Started	10-1	20	14 at 1:	:15	(AM)(PM)	Taken 10)-2	20	_14 at _2:05		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in_24	Hours	
Static / Dynamic	Orifice Size	e Mo	e one: eter Pressure	Pressure Differential in	Flowing Temperature	•		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		ubing ad Pressure (P ₁) or (P ₂)	Duration (Hours)		Liquid Produced (Barrels)	
Property	(inches	2)	(Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia				
Shut-In							12	26.4				Ш		
Flow							5	19.4			24	0		
		•				FLOW STR	REAM ATTR	BUTES			···			
Plate Coeffied (F _b) (F Mofd	ient (a)	Circle one Meter or Prover Pres psia	.	Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F ₁₁	Fa	iation otor - pv	Metered Flor R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
						_				7				
(P _c) ² =	<u>-</u> -	. (P _w) ² =		(OPEN FLO		/ERABILITY) % (P	CALCUL 2 - 14.4) +)² = 0.2 ₁)² =	07	
			Cho	oose formula 1 or 2:	: [ssure Curve				1	en Flow	
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c)²- (P _w		 P_c² - P_a² P_c² - P_d² 	LOG of formula 1. or 2.		Šlop 	e = "n" or	nxi	-og	Antilog	Dei	iverability R x Antilog	
(P _c) ² - (F	P _d) ²			ded by: $P_c^2 - P_w^2$	and divide	P.2- P.2		signed ard Slope	+				(Mcfd)	
											<u>_</u>			
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 p	sia		
The (undersig	ned autho	rity, on t	ehalf of the	Company, s	states that h	ne is duly au				ort and that he h	as know	ledge of	
the facts s	tated the	erein, and t	that said	report is true		t. Executed		<u> </u>	day of D	ecember	1110 4	we !	20 14 .	
		w	itness (if an	ny)		EB 23	(pm	For	Company	weg		
		Fo	or Commissi	ion			_			Che	cked by			
						RECE	IVED							

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 Nemechek 21-23H
gas well on the grounds that said well:
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
FEB 23 2015 RECEIVED 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.

W2322 Nemechek 21-33H North Goodland Goodland None September-14

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

Total 210

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W2322 Nemechek 21-33H North Goodland Goodland None October-14

	Casing			HRS	REMARKS
DATE	PSI	STATIC 1	MCF	DOWN	(Maximum length 110 characters)
10/1/2014	12	35	0	24	opened up
10/2/2014	5	18	7	0	
10/3/2014	5	18	7	0	
10/4/2014	5	18	7	0	
10/5/2014	5	18	7	0	
10/6/2014	5	18	7	0	
10/7/2014	5	18	7	0	
10/8/2014	4	17	7	0	
10/9/2014	5	18	7	0	
10/10/2014	5	18	7	0	
10/11/2014	5	18	7	1	
10/12/2014	5	18	7	0	
10/13/2014	5	18	7	0	
10/14/2014	5	18	7	0	
10/15/2014	5	18	7	0	
10/16/2014	5	18	7	1	
10/17/2014	5	18	7	0	
10/18/2014	5	18	7	0	
10/19/2014	5	18	7	0	
10/20/2014	5	18	. 7	0	
10/21/2014	5	18	7	0	
10/22/2014	5	18	7	0	
10/23/2014	5	18	7	0	
10/24/2014	5	18	7	0	
10/25/2014	5	18	7	0	
10/26/2014	5	18	7	0	
10/27/2014	5	18	7	0	
10/28/2014	5	18	7	0	
10/29/2014	5	18	7	0	
10/30/2014	5	18	7	0	
10/31/2014	5	18	7	0	

Total 210

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W2322 Nemechek 21-33H North Goodland Goodland None November-14

	Casing	-		HRS	S	REMARKS
DATE	PSI	STA	TIC MCF	DO.	WN	(Maximum length 110 characters)
11/1/2014		5	18	7	0	
11/2/2014		5	18	7	0	
11/3/2014		5	18	7	0	
11/4/2014		5	18	7	0	
11/5/2014		5	18	7	0	
11/6/2014		5	18	7	0	
11/7/2014		5	18	7	0	
11/8/2014		4	17	7	0	
11/9/2014		4	17	7	0	
11/10/2014	1	4	17	7	0	
11/11/2014	1	4	17	7	0	
11/12/2014	ļ	4	17	7	0	
11/13/2014	ţ	4	17	8	0	
11/14/2014	1	4	17	9	0	
11/15/2014	ļ.	4	17	7	0	
11/16/2014	ļ	4	17	7	0	
11/17/2014		4	17	6	0	
11/18/2014	Į.	4	17	7	0	
11/19/2014	ŀ	4	17	7	0	
11/20/2014	1	4	17	7	0	
11/21/2014	1	4	17	7	0	
11/22/2014	1	4	17	7	0	
11/23/2014	1	4	17	7	0	
11/24/2014	Į.	4	17	7	0	
11/25/2014	1	4	17	7	1.5	
11/26/2014	1	4	17	7	0	
11/27/2014	1	4	17	7	0	
11/28/2014	1	4	17	7	0	
11/29/2014	1	4	17	7	0	
11/30/2014	ļ	4	17	7	0	
12/1/2014					0	

Total 212

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