KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	NT		6	See Instruct	tions on Reve	erse Side)					
Op	en Flow	XX		Took Dake				A DI	No. 15				
De	liverabilty			Test Date 6/2/2015					-20328-00 ©	0			
Company	/ od Reso	urces				Lease Pancake					1-9	Well Nu	mber
County Sherma	n	Locatio SENE	on	Section 9		TWP 7S		RNG (E 39W	W)			Acres A	ttributed
Field Goodlan	nd			Reservoir Niobrara					hering Conne Systems Inc		on		
Completion 8/14/200				Plug Back 1211'	k Total Dept	th	-	Packer S	Set at				
Casing \$ 4 1/2"	lize	Weight 10.5#		Internal E 4.052	liameter	Set at 1224		Perfo 100	rations 8'		To 1040'		
Tubing S	ize	Weight		internal D	Diameter	Set at		Perfo	rations		То		
	npletion (I (Conven			Type Fluid Dry Ga	d Production	1		Pump U	nit or Traveling	Plu	ınger? Yes	/ (No)	
Producing Annulus	•	nnulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en		Gas Gra	avity - G	
Vertical E	Depth(H)				Pres	sure Taps					•	Run) (Pi	over) Size
1040'					Flan	 _					2"		
Pressure	Buildup:								20			(AM)(PM)
Well on L	.ine:	Started 6-2	20) at		(AM) (AM)	raken 6-	3	20		2 at <u>2.43</u>	(AM) (PM)
					OBSERVE	D SURFACE	DATA			Du	ration of Shut-i	n_24_	Hours
Static /	Orifice Size	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casir Wellhead P	ressure	Wellhe	Tubing ad Pressure		Duration	1 1	d Produced
Property	(inches)	Prover Pressur psig (Pm)	in Inches H ₂ 0	t	t	P _w) or (P _t)	or (P _c) psia	(P _{**}) o	r (P ₁) or (P _c)		(Hours)	(1	Barrels)
Shut-In	_	_		-		16	30.4				_		
Flow	_		Ţ-			5	19.4			2	4	0	
					FLOW STR	EAM ATTRI	BUTES	<u> </u>				_	
Plate Coeffied (F _b) (F Mofd	cient P	Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m x h	Grav Fact	or 1	Flowing Femperature Factor F _{II}	Fa	lation ctor PV	Metered Flov R (Mcfd)	v	GOR (Cubic Fed Barrel)	et/	Flowing Fluid Gravity G _m
									8				
		<u>-</u>		(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	_			= 0.2	07
(P _c) ² =	 :			P _q =		% (P _c	- 14.4) +	14.4 = _	:	_	(P _d)2	<u>-</u> -	
(P _c) ² - (I or (P _c) ² - (I		(P _b) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slope Assi	sure Curve = "n" or gned rd Slope	l n x	LOG		Antilog	Deli Equals	en Flow verability R x Antilog (Mcfd)
	-		livided by: Pc2-Pw2	by:	<u> </u>	Standa		- 	- -	$\vdash \uparrow$			
	-	 		_		 - -	_	-		—- I	_		_ _
Open Flo	w w		Mcfd @ 14.0	65 psia		Deliverabil	ity			Мс	fd @ 14.65 psi	a	
The	undersign	ed authority, on	behalf of the	Company, s	tates that h	e is duly aut				rt a	ınd that he ha	s know	ledge of
the facts s	stated ther	ein, and that sai	id report is true	and correc	t. Executed	this the 22		day of _	ecember	_			20 15
		Witness (if	aovi		KCC '	WICH	[Ú	angel	Corn	Ma	Ü	ey_
		For Commis				07 2016			Che	cked	by		
						_							

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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 Pancake 1-9
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: _12/22/15
Signature: Canal Mattury Title: Production Assistant APR 07 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.

W413 Pancake 1-9 North Goodland Goodland None June-15

	Casing			H		REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
6/1/2015	10	5 28		0	24	
6/2/2015	1	6 29)	0	24	
6/3/2015	1:	3 26	·)	12	0	
6/4/2015	1	1 24		12	0	
6/5/2015	1	23		12	0	
6/6/2015		9 22	!	1 I	0	
6/7/2015	!	9 21		11	0	
6/8/2015		7 21		11	0	·
6/9/2015		7 20)	11	0	
6/10/2015	ı	5 20)	11	0	
6/11/2015	!	6 19)	11	0	
6/12/2015	1	6 19	1	10	0	
6/13/2015	1	6 19)	8	4	
6/14/2015	1	5 19)	9	0	
6/15/2015	(5 19		11	0	
6/16/2015		5 18		9	0	
6/17/2015		5 18	}	10	0	
6/18/2015	,	5 18		10	0	
6/19/2015	,	5 18	,	9	0	
6/20/2015		5 18	}	8	1	
6/21/2015	,	5 18	,	9	0	
6/22/2015		5 18	;	9	0	
6/23/2015		5 18	}	9	0	
6/24/2015		5 18	,	9	0	
6/25/2015		5 18	}	7	2	
6/26/2015		5 18	}	9	0	
6/27/2015		5 18	;	9	0	
6/28/2015		5 18	}	9	0	
6/29/2015		5 17	,	9	0	
6/30/2015		5 17	!	9	0	
7/1/2015		C)	0	0	

Total 274

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W413 Pancake 19

North Goodland

Goodland

None

July-14

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

Total

211

KCC WICHITA APR 0.7 2016 RECEIVED W413 Pancake 149

North Goodland

Goodland

None

Ų.

August-14

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

Total 248

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