KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			(See Instruc	tions on Rev	verse Side))					
Op	oen Flow	251		Test Date	a·			ΔΡ	l No. 15				
De	eliverabilty	1		6/2/201					1-20498-01 (00			
Company	y od Reso	ources, Inc.				Lease Chatfield	d	_ _ _			v 41-18F	Vell Nu	mber
County Location Sherman NENENE			Section 18		TWP 7S		RNG (E/W) 39W			Acres Attributed 80			
Field Goodlan	nd			Reservoir Niobrara					thering Conn Systems In			_	
3/17/200				Plug Bac 3208'	k Total Dep	th		Packer S	Set at				
5			Internal [4.000	Diameter	Set a 3208		Perforations 3141'			то 3156'			
Tubing Si	ize	Weight		Internal I	Diameter	Set a	t	Perfo	orations		То		
Type Con Single (Type Flui Dry Ga	d Production	1		Pump Un Flowin	nit or Traveling	Plunger?	Yes	N₀	
Producing Annulus	-	Annulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	jen		Gas Gra	vity - G	9
Vertical D					Pres	sure Taps					(Meter R	lun) (Pr	over) Size
3215'					Flan						2"		
Pressure	Buildup:	Shut in <u>6-1</u>							20				MP)(MA
Well on L	ine:	Started 6-2	20	15 at 4:	:25	(AM) (PM)	Taken 6-	3	20	15 at 5	5:05	(MA)(MA
		- 			OBSERVE	D SURFACE	DATA			Duration	of Shut-ii	24	Hours
Static / Orifice Dynamic Size		Circle one: Meter Prover Pressur	Meter Differential		Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _c) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Produced arrels)
Property Shut-in	(inches)	psig (Pm)	Inches H ₂ 0	t	t 	psig	psia 51.4	pslg	psia	_			
Flow			-			 	20.4	_	 -	24		0	
	<u>-</u>		_ <u>-</u>		FLOW STR	EAM ATTRI	BUTES						
Plate Coefficti (F _b) (F	ient (Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fact	or T	Flowing emperature Factor F _{ft}	Fac	ation ctor	Metered Flov R (Mcfd)		GOR Cubic Fee Barrel)	ıt/	Flowing Fluid Gravity G _m
		_			_				16	-	_		
				(OPEN FL	OM) (DETIA	ERABILITY)	CALCUL	ATIONS			(P _a) ²	= 0.20)7
(P _c) ² =	<u> </u>	(P _w) ² =_	<u>:</u>	P _d =	°	% (P,	<u>- 14.4) +</u>	14.4 = _	;		(P _d) ²	<u>=</u>	
(P _c) ² - (F or (P _q) ² - (F	-	(P _c) ² - (P _w) ²	1. P ₂ ² -P ₂ ² 2. P ₂ ² -P ₂ ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop	sure Curve e = "n" origned ird Slope	пх.	rog	Antif	òg	Deliv Equals	en Flow rerability R x Antilog Mcfd)
-	 }		ivided by: P _c ² -P _w ²	by:		Jiando		-				<u>`</u>	
			-								_		
Open Flov	w		Mcfd @ 14.0	55 psia		Deliverabi	lity			Mcfd @ 1	4.65 psia	ı	
	•	ed authority, on				•			•	ort and tha	t he has		-
the facts st	tated ther	rein, and that sai	d report is true	and correct				day of D	ecember			,2	o <u>15</u>
		Witness (if	any)	<u> </u>	-KCC	03 501 MICH		Z	næll Fort	JU. Company	st	lug	
		For Commis	sion		-APR	07 201	<u>b</u>		Che	cked by			

RECEIVED

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 Chatfield 41-18H 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.
KCC WICHITA APR 0 7 2016 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.

W2344 Chatfield 41-18H North Goodland Goodland None June-15

ì

	Casing			HR	rs	REMARKS
DATE	PSI	STATIC	MCF	DC)WN	(Maximum length 110 characters)
Open Gauge						
6/1/2015	37	49)	0	24	
6/2/2015	37	49)	0	24	
6/3/2015	16	29)	16	0	
6/4/2015	12	25	5	16	0	
6/5/2015	10	23	;	16	0	
6/6/2015	10	23	3	16	0	
6/7/2015	9	22	?	16	0	
6/8/2015	8	21		16	0	
6/9/2015	8	21		16	0	
6/10/2015	7	20)	16	0	
6/11/2015	7	20)	16	0	
6/12/2015	7	20)	16	0	
6/13/2015	7	21		16	4	
6/14/2015	7	20)	16	0	
6/15/2015	7	19)	16	0	
6/16/2015	6	19)	16	0	
6/17/2015	6	21		16	0	
6/18/2015	6	20)	16	0	
6/19/2015	6	20)	16	0	
6/20/2015	6	20)	16	1	
6/21/2015	6	21		16	0	
6/22/2015	6	20)	16	0	
6/23/2015	6	19)	16	0	replaced battery, need solar panel
6/24/2015	6	19)	12	0	
6/25/2015	6	20)	16	2	
6/26/2015	6	19)	16	0	
6/27/2015	6	18	}	16	0	
6/28/2015	6	18	}	16	0	
6/29/2015	6	18	}	16	0	
6/30/2015	6	18	}	16	0	
7/1/2015		()	0	0	

Total

444

KGG WICHITA APR 0.7 2016 RECEIVED W2344 Chatfield 41-1814

North Goodland

Goodland

None

July-14

	Casing				HRS		REMARKS
DATE	PSI	STAT	IC_	MCF_	DOWN		(Maximum length 110 characters)
Open Gauge							
7/1/2014		6	19)	16	0	
7/2/2014		6	19)	16	0	
7/3/2014		6	19	•	16	0	
7/4/2014		6	19)	16	0	
7/5/2014		6	19)	16	0	
7/6/2014		6	19	•	16	0	
7/7/2014		6	19)	16	0	
7/8/2014		6	19)	16	0	meter 0, replaced solar
7/9/2014		6	19)	13	0	
7/10/2014		5	18	,	16	0	
7/11/2014		6	19)	16	0	
7/12/2014		6	19)	16	0	
7/13/2014		6	19)	16	0	
7/14/2014		6	19)	16	0	
7/15/2014		9	22	2	14	6	
7/16/2014		7	20)	16	0	
7/17/2014		7	20)	15	0	
7/18/2014		8	21		15	0	1
7/19/2014		8	21		15	0	
7/20/2014		8	21		15	0	
7/21/2014		8	21		15	1	
7/22/2014		8	21		15	0	ı
7/23/2014		9	22	2	14	3	
7/24/2014		8	21		15	0	1
7/25/2014		7	20)	15	0	ı
7/26/2014		7	20)	15	0	l
7/27/2014		7	20)	15	0	1
7/28/2014		11	24	ļ	13	9	1
7/29/2014		7	20)	15	0	1
7/30/2014		7	20)	15	0	1
7/31/2014		7	20)	15	1	

Total

473

KCC WICHITA APR 07 2016 RECEIVED

W2344 Chatfield 41-18H

North Goodland

Goodland

None

August-14

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

Total

496

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