KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	_			(See Instruc	tions on Re	verse Side))				
Op	en Flov	, J	WSI		-				ADI	1 No. 45			
	liverabi				Test Date 7/31/14):				No. 15 -20336- 00 (0		
Company	/ od Res	our	rces				Lease Duell				1-10	Well Nur	mber
County Sherman	n		Locati NENE	on	Section 10		TWP 7S		RNG (E 39W	/W)		Acres A 80	ttributed
Field Goodlan	ıd				Reservoir Niobrara					thering Conn Systems In			
Completic 10-22-20		•			Plug Bac 1197"	k Total Dep	th		Packer \$	Set at			
Casing S 4 1/2"	ize		Weigh 10.5#		Internal I 4.052			Set at 1206'		orations '	To 1010'		
Tubing Si	ize		Weigh	t	Internal [Diameter	Set a	at	Perfo	orations	То		
Type Con Single (Type Flui Dry Ga	d Production	n		Pump Un	nit or Traveling	Plunger? Yes	/ (No)	
	g Thru		nulus / Tubin	3)		Carbon Dioxi	de		% Nitrog	<u> </u>	Gas G	ravity - G	i _o
Vertical D)		-		Pres	sure Taps	<u>.</u>				Run) (Pr	over) Size
1010'						Flan	-				2"		
Pressure	Buildup):	Shut in <u>7-3</u>	02	0 14 at 4	:55	(AM) (PM)	Taken_7-			14 _{at} 5:05	(AM (PM)
Well on L	.ine:	:	Started 7-3	12	0 14 at 5	:05	(AM)(PM)	Taken 8-	1	20	14 at 5:55	(/	AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_24	Hours
Static / Dynamic Property	Static / Orifice Meter Dynamic Size Prover Pres		Prover Pressu	1	Flowing Temperature t	Well Head Temperature t	Wallhood Proceura		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration Li		Produced
Shut-In		~,	psig (Pm)	Inches H ₂ 0			psig 8	psia 22.4	psig	psia			
Flow		"				_	5	19.4			24	0	
			<u> </u>			FLOW STR	REAM ATTR	IBUTES					
Plate Coeffied (F _b) (F	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fac	tor	Flowing Temperature Factor F ₁ ,	Fa	iation actor	Metered Flor R (Mcfd)	w GOR (Cubic Fi Barret	eet/	Flowing Fluid Gravity G _m
										6	_		
					(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS)² = 0.20	
(P _c) ² =		_;	(P _w) ² =	:	P _d =		% (F	ੇ ਫ਼ - 14.4) +	14.4 = _	:	(P _d		
(P _c) ² - (l	P _a) ²	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	LOG of formula 1, or 2, and divide	P _c ² · P _w ²	Slo	ssure Curve pe = "n" - or signed ard Slope	n v	rod	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
													_
								_				<u></u>	
Open Flo	w			Mcfd @ 14.	65 psia		<u>D</u> eliverat	oility			Mcfd @ 14.65 ps	sia	
		-	•				_			he above repo December	ort and that he h	as knowl	edge of
the facts s	rated th	nerei	in, and that s	aid report is tru					day of _		Mat	字 "	<u></u> .
			Witness (f any)	SCAT	Rec SAS CORPOR	RATION COMM	SSION	W)	For	Company	my	<u> </u>
			For Comm	nission		FEB :	2 5 2015	<u>.</u>		Che	cked by		

·	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	g 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
·	ion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Duell 1-10
gas well on the groun	
gao non on are green	
(Check on	e)
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
_	supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: 12/22/14	
F	Received ORPORATION COMMISSION EB 2 5 2015 Title: Production Assistant SERVATION 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.

W397 Duell 1-10 North Goodland Goodland None July-14

3 ()

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

Total 191

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W397 Duell 1-10 North Goodland Goodland None August-14

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

Total 201

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W397
Duell 1-10
North Goodland
Goodland
None
September-14

	Casing			Н	RS	REMARKS
DATE	PSI	STATIC	MCF	D	<u>ow</u> n	(Maximum length 110 characters)
9/1/2014	_	5 1	8	7	0	-
9/2/2014		5 1	8	7	0	
9/3/2014		5 1	8	7	0	
9/4/2014		5 1	8	7	0	
9/5/2014		5 1	8	7	0	
9/6/2014		5 1	8	7	0	
9/7/2014		5 1	8	7	0	
9/8/2014		5 1	8	7	0	
9/9/2014		5 1	8	7	0	
9/10/2014		5 1	8	7	0	
9/11/2014		5 1	8	7	0	
9/12/2014		5 1	8	7	0	
9/13/2014		5 1	8	7	0	
9/14/2014		5 1	8	7	0	
9/15/2014		5 1	8	7	0.5	
9/16/2014		5 1	8	7	0	
9/17/2014		5 1	8	7	0	
9/18/2014		5 1	8	7	0.5	
9/19/2014		5 1	8	7	0	
9/20/2014		5 1	8	7	0	
9/21/2014		5 1	8	7	0	
9/22/2014		5 1	8	7	0	
9/23/2014		5 1	8	7	0	
9/24/2014		5 1	8	7	0	
9/25/2014		5 1	8	7	0	
9/26/2014		5 1	8	7	0	
9/27/2014		5 1	8	7	0	
9/28/2014		5 1	8	7	0	
9/29/2014		5 1	8	7	0	
9/30/2014		5 1	8	7	0	
10/1/2014					0	

Total 210

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