KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	MCT		(See Instruct	tions on Re	verse Side)			
= :	en Flov eliverabil	, ,		Test Date					No. 15		
		ity		6/12/20	13			18	1-20414-00		
Company Rosewoo		sources, Inc.				Lease Duell		•		41-29	Vell Number
			Section 29				RNG (E.	/W)		Acres Attributed 80	
Field Goodlan	nd			Reservoir Niobrara					hering Conn Systems In		
Completic		•		Plug Bac 1225'	k Total Dept	th	-	Packer S	Set at		
4 3/4" 10.5#		Internal D 4.000	Internal Diameter 4.000				rations 2'	то 1072'			
Tubing Si	ize	Weig	ht	Internal [Diameter	Set	at	Perfo	rations	То	
		(Describe) entional)		Type Flui	d Production	n		Pump Ui	nit or Traveling	Plunger? Yes	(No
	•	(Annulus / Tubir	ıg)		arbon Dioxi	de		% Nitrog	<u> </u>	Gas Gra	avity - G _g
Annulus	_									.6	
Vertical D	Depth(H))			Pres Flan	sure Taps ge				(Meter F 2"	Run) (Prover) Size
Pressure	Buildup	: Shut in 6-	11 2	₀ _13 _{at} _2	:30	(AM))(PM)	Taken_6-	12	20	13 at 2:40	(AM)(PM)
Well on L	.ine:	Started 6-1	2 2	0 13 at 2	:40		Taken 6-	13	20	13 at 3:30	(PM)
		_	_		OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n 24 Hours
Static / Dynamic Property	Orific Size (inche	Meter Prover Press		Flowing Temperature t	Well Head Temperature t	Wellhead	sing Pressure	Wellhe	Tubing ead Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0			psig 13	27.4	psig	psia		
Flow						7	21.4			24	
	-		<u> </u>		FLOW STR	EAM ATTE	RIBUTES				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Gravity Factor F		Flowing Femperature Factor F _{f1}	rature Fact		Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G_m
									24		
			l	(OPEN FL	OW) (DELIV	ERABILITY	') CALCUL	ATIONS		(D.)2	0.207
(P _c) ² =		_: (P _w)²:	=:	P _d =	, ,		<i>.</i> P _c - 14.4) +		:	(P _d) ²	= 0.207
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) 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	Slo	essure Curve pe = "n" - or ssigned	nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			divided by: P _c ² - P _w ²	by:		Stand	dard Slope				()
Open Flo	w		Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @ 14.65 psia	a
	`	•	on behalf of the	• •		•			ne above repo lovember	rt and that he ha	s knowledge of
					RECE AS CORPORA	IVFD		Cel	null	Mad	(my
		Witness	(if any)		DEC 2	2 6 2013			For (Jompany	
		For Com	nission		DFP (Chec	ked by	

exempt status of and that the force correct to the b	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. regoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named.
	quest a one-year exemption from open flow testing for 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 is not capable of producing at a daily rate in excess of 250 mcf/D ree to supply to the best of my ability any and all supporting documents deemed by Commissionary to corroborate this claim for exemption from testing.
	<u>, </u>
Date: _11/26/13	

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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W2225 Duell 41-29 North Goodland Goodland None June-13

	Casing			HF	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
6/1/2013	•	7 20)	24	0	
6/2/2013	•	7 20)	24	0	
6/3/2013	,	7 20)	24	0	
6/4/2013	,	7 20	0	24	0	
6/5/2013	•	7 20)	24	0	
6/6/2013	,	7 20)	24	0	
6/7/2013	,	7 20)	24	0	
6/8/2013	,	7 20)	24	0	
6/9/2013	7	7 20)	24	0	
6/10/2013	7	7 20)	24	0	
6/11/2013		7 20)	24	0	shut in
6/12/2013	13	3 20	5	0	24	opened up
6/13/2013		7 20)	24	0	
6/14/2013	•	7 20)	24	0	
6/15/2013		7 20)	24	0	
6/16/2013	,	7 20)	24	0	
6/17/2013	-	7 20)	24	0	
6/18/2013	,	7 20)	24	0	
6/19/2013	7	7 20)	24	0	
6/20/2013		7 20)	24	0	
6/21/2013	7	7 20)	24	0	
6/22/2013	7	7 20)	24	0	
6/23/2013	,	7 20)	24	0	
6/24/2013	-	7 20)	24	0	
6/25/2013	7	20)	23	0	
6/26/2013	7	20)	23	0	
6/27/2013	•	20)	23	0	
6/28/2013	7	7 20)	23	0	
6/29/2013	7	7 20)	23	0	
6/30/2013	7	7 20)	23	0	
7/1/2013					0	

Total 690

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W2225 Duell 41-29 North Goodland Goodland None July-13

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
7/1/2013	,	7 20) 2	25	0	
7/2/2013	,	7 20) 2	25	0	•
7/3/2013	•	7 20) 2	25	0	
7/4/2013	•	7 20) 2	25	0	
7/5/2013		7 20) 2	25	0	
7/6/2013	,	7 20) 2	25	0	
7/7/2013	,	7 20) 2	25	0	
7/8/2013	,	7 20) 2	25	0	
7/9/2013	•	7 20) 2	25	0	
7/10/2013	,	7 20) 2	25	0	
7/11/2013	,	7 20) 2	25	0	
7/12/2013	•	7 20) 2	25	0	
7/13/2013	,	7 20) 2	25	0	
7/14/2013	,	7 20) 2	25	0	•
7/15/2013	,	7 20) 2	22	0	
7/16/2013	,	7 20) 2	20	6.5	cal
7/17/2013	,	7 20) 2	21	0	
7/18/2013	,	7 20) 2	25	0	
7/19/2013		7 20) 2	25	0	
7/20/2013	•	7 20) 2	25	0	
7/21/2013	•	7 20) 2	25	0	
7/22/2013	•	7 20) 2	24	0	
7/23/2013	,	7 20) 2	24	0	
7/24/2013	,	7 20) 2	22	0	
7/25/2013	,	7 20) ' 2	24	0	
7/26/2013	,	7 20) 2	24	0	•
7/27/2013	•	7 20) 2	24	0	
7/28/2013	•	7 20) 2	25	0	
7/29/2013	•	7 20) 2	25	0	
7/30/2013	•	7 20) 2	25	0	
7/31/2013	,	7 20) ; 2	25	0	

Total 755

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