KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes				(See Instruci	tions on Re	verse Side)				
Op	en Flow	BISI										
☐ De	eliverabilt	у		Test Date 7/30/14	∌:				No. 15 <mark>-20362-00</mark> 0	0		
Company		ources				Lease Duell				4-17	Well Nur	nber
County Location Sherman NESE			Section 17		TWP 7S		RNG (E/W) 39W			Acres Attributed 80		
Field Goodland									Gas Gathering Connection Branch Systems Inc.			
Completion Date 9-21-2004			Plug Bac 1179'	k Total Dept	th		Packer	Set at				
Casing S	Casing Size Weight			Internal (2.441	Diameter	Set . 118		Perfo	orations	то 1020'		
Tubing S	ize	Weigh	t	Internal [Diameter	Set		Perfo	rations	То		
Type Cor		(Describe)			d Production	n		Pump U. Flowin	nit or Traveling	Plunger? Yes	/ (No)	
Producing	g Thru (Annulus / Tubing	3)						jen		Gas Gravity - G	
Annulus Vertical E					Dvas					.6	Dun\ /Da	over) Size
1020'	лертп(H) 				Flan	sure Taps ge				2"	(Pro	over) Size
Pressure	Buildup:		2		:45					14 at 3:55	(/	AM (PM)
Well on L	ine:	Started 7-3	<u> </u>	0 14 at 3	:55	(AM)(PM)	Taken <u>7-</u>	31	20 	_14 at _4:45	(/	AM) (PM)
		Olasia anni		I	OBSERVE	D SURFAC		1 .		Duration of Shut-	in_24	Hours
Static / Dynamic Property	Static / Orifice Meter Differ Dynamic Size Prover Pressure in		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature (F		illhead Pressure Wellhead (P_w) or (P_s) (P_w) or (Tubing ead Pressure or (P _t) or (P _p)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		paig (Filir)	menes 11 ₂ 0			psig 8	psia 22.4	palg	psia	_		
Flow					_	4	18.4			24	0	
					FLOW STR	EAM ATTE	IBUTES					
Coefficient Meter or Exter		Press Extension ✓ P _m ×h	Fac	Gravity Factor F _g		Fa	iation ctor : pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
									10			
/D. \2		. /D \2		•	OW) (DELIV		•				² = 0.20	7
(P _c) ² =		: (P _w) ² =	Choose formula 1 or 2	P _d =			P _c - 14.4) +		 :_	(P _d)		
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_o)^2 - (P_w)^2 & 1. \ P_o^2 - P_a^2 \\ \text{or} \\ (P_c)^2 - (P_d)^2 & 2. \ P_c^2 - P_a^2 \\ \end{array} $		LOG of formula 1, or 2. and divide	LOG of formula Slop 1. or 2. and divide P.2. p.2 Ass		sure Curve e = "n" n x or signed ard Slope		LOG	Antilog	Deliv Equals	en Flow /erability R x Antilog Mcfd)		
	-		divided by: P _c ² -P _w			-		-				<u></u>
Open Flo	w		Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia	
	•	•				•				ort and that he ha	as knowli	edge of
the facts s	stated the	erein, and that sa	aid report is true		t. Executed					mate	,2 5 4	u <u></u> .
		Witness (i	fany)				6	M	For	<i>LV LLLL L</i> Company	<u>ner</u> y	
		For Comm	ission		FEB 23	, בטוט	·		Che	cked by		

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exempt status un and that the fore correct to the bes of equipment inst I hereby requ	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. going pressure information and statements contained on this application form are true and those of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Duell 4-17 ounds that said well:
(Check	
FEB	NICHTA 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.

W400 Duell/4-17

North Goodland

Goodland

None

July-14

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

Total 323

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Duell 4-17

North Goodland

Goodland

None

August-14

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

Total 330

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Duell 4-17

North Goodland

Goodland

None

September-14

	Casing			Н	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
9/1/2014		4 1	7	10	0	meter messed up
9/2/2014		4 1	.7	10	0	
9/3/2014		4 1	7	10	0	
9/4/2014		4 1	7	10	0	replaced meter
9/5/2014		4	7	10	0	
9/6/2014		4 1	7	10	0	
9/7/2014		4 1	.7	10	0	
9/8/2014		4 1	.7	10	0	
9/9/2014		4	7	10	0	
9/10/2014		4	7	9	0	
9/11/2014		4 1	7	9	0	
9/12/2014		4 1	7	9 .	0	
9/13/2014		4 1	.7	9	0	
9/14/2014		4	7	9	0	
9/15/2014		4 1	7	9	0.5	
9/16/2014		4 1	7	9	0	
9/17/2014		4 1	.7	8	0	
9/18/2014	r	4 1	7	8	0.5	
9/19/2014		4	7	8	0	
9/20/2014		4 1	7	8	0	
9/21/2014		4 1	7	8	0	
9/22/2014		4	.7	8	0	
9/23/2014		4 1	7	8	0	
9/24/2014		4 1	7	8	0	
9/25/2014		4 1	7	8	0	
9/26/2014		4 1	7	8	0	
9/27/2014		4	7	8	0	
9/28/2014		4 1	.7	8	0	
9/29/2014		4	7	8	0	
9/30/2014		4 1	.7	8	0	
10/1/2014					0	

Total 265

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