KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		ó	SI			(See Instru	ictions on He	iverse Side	"				
	en Flow Iverabilt		~~			Test Date 5/24/20					No. 15 -20362-00 6	00		
Company Rosewoo		our	ces				<u></u>	Lease Duell				4-17	Well N	umber
County Location Sherman NESE					Section TWP 17 7S			RNG (E/W) 39W			80	Attributed		
Field Goodland						Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.			RECEIV	
Completion Date 9-21-2004					Plug Bac 1179'	Plug Back Total Depth 1179'				Packer Set at			JAN 03	
Casing Size Weight 7/8" 6.5#			•	Internal (2.441	Diameter		Set at 1189'		rations	то 1020	· K	RECEIV JAN 03 CC WICH		
ubing Size Weight			Internal (Diameter	Set	Set at Perforations		rations	То					
ype Com Single (Type Flui Dry Ga	d Producti	ion		Pump Ui Flowin	nit or Traveling	Plunger? Yes	7 (NO)
		Ann	ulus / Tubii	ng)		% (Carbon Dio	ebixe		% Nitrog	en	Gas G .6	iravity -	G _p
Annulus Vertical Depth(H)					Pressure Taps						(Meter Run) (Prover) Size			
1020'								nge				2"		
Pressure	Buildup:		Shut in 5-2		2	12 at 1:40 (AM) (PM) Taken 5-				24 20 12 at 1				
Well on Line: Started 5-24			2						20	12 at 2:40		(AM) (PM)		
						-	OBSERV	/ED SURFAC	E DATA			Duration of Shu	t-in24	Hours
Static / Dynamic Property	namic Size Prover Press		sure :	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatu	Wellhead (P _w) or (I	sing I Pressure P ₁) or (P _c)	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	, ,	uid Produced (Barreis)	
Shut-In	·		bag (Fin	,	Inches H ₂ O			20	34.4	pizq	psia		+	
Flow	,					4	18.4			24	0			
							FLOW ST	TREAM ATTE	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension Pmxh	tension Factor		Flowing Temperature Factor F ₁₁	Fa	Deviation Mete Factor F _{pv} (I		w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
											10			
° _c)² =			(P)²	=		(OPEN FL	, ,	IVERABILITY	/) CALCUL P _e - 14.4) +) ² = 0.	207
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_a)^2$		(P _c) ² - (P _u) ²		Cho	1. P ² · P ² LOG of formula 1. or 2.			Backpressure Curve Slope = "n"		n x 100		Antilog	De	Open Flow eliverability Is A x Antilog (Mcfd)
				- Greek	www.sg. stg * Fw			3 3.2					+-	
Open Flor	w				Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 p	sia	
The u	undersig	ned	authority,	on b	ehalf of the	Company,	states that	he is duly a	uthorized t	o make ti	he above rep	ort and that he h	nas kno	wledge of
e facts s	tated the	erei	n, and that	said	report is true	e and correc	t. Execute	ed this the _2	20	day of _C	ecember		,	, 20 12 .
	. <u> </u>	_	100	£4						DOW	rall	GOLU	ω)
			Witness	(a an	וני									
			For Corr	missi	ion			•	-		Che	icked by		

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	t status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. at the foregoing pressure information and statements contained on this application form are true and
correc	t to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the
	ell 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
l f	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
staff a	s necessary to corroborate this claim for exemption from testing.
3 _4	12/20/12
Jate: _	12/20/12
	0. 11 Grand
	Signature: <u>Janull GUUU</u>
	Title: Production Assistant

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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W400 Duell 4-17 North Goodland Goodland None May-12

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	Casing			HRS	ļ	REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
5/1/2012		4 1	7	9	0	
5/2/2012		4 1	17	10	0	
5/3/2012		4 1	17	10	0	
5/4/2012		4 1	17	9	0	
5/5/2012		4 1	17	10	0	
5/6/2012		4 1	17	10	0	
5/7/2012		4 1	17	10	0	
5/8/2012		3 1	6	10	0	
5/9/2012		4 1	17	10	0	
5/10/2012		4 1	17	10	0	
5/11/2012		4 1	17	10	0	
5/12/2012		3 1	16	10	0	
5/13/2012		3 1	6	9	0	
5/14/2012		3 1	16	10	0	
5/15/2012		3 1	16	10	0	
5/16/2012		4 1	17	10	0	
5/17/2012		4 1	17	10	0	
5/18/2012		4 1	17	10	0	
5/19/2012		4 1	17	10	0	
5/20/2012		3 1	16	10	0	
5/21/2012		3 1	16	10	0	
5/22/2012		4 1	7	10	0	
5/23/2012		3 1	16	10	0	shut in for state
5/24/2012	0)O 1	16	0	24	Opened up
5/25/2012	Ų		17	10	0	
5/26/2012		4 1	17	10	0	
5/27/2012		4 1	17	9	0	
5/28/2012		4 1	17	9	2	
5/29/2012		4 1	17	8	2.5	
5/30/2012		4 i	17	9	0	
5/31/2012		3 1	16	10	0	

Total

W400 Duell 4-17 North Goodland Goodland None June-12

 \mathcal{L}^{I}

	Casing			HF	≀s	REMARKS
DATE	PSI	STATIC	MCF	DC)WN	(Maximum length 110 characters
6/1/2012		4	17	9	0	watch mcf, meter bad?
6/2/2012		3	16	9	0	
6/3/2012		3	16	9	0	
6/4/2012		3	16	9	0	
6/5/2012		3	16	9	0	
6/6/2012		3	16	9	0	
6/7/2012		3	16	9	0	
6/8/2012		3	16	9	0	
6/9/2012		3	16	9	0	
6/10/2012		9	22	7	20	
6/11/2012		9	22	7	14	
6/12/2012		9	22	7	7	
6/13/2012		9	22	7	3	
6/14/2012		9	22	7	1	
6/15/2012		8	21	9	2.5	
6/16/2012		4	17	12	0	
6/17/2012		4	17	12	0	
6/18/2012		4	17	12	0	
6/19/2012		4	17	12	2	
6/20/2012		4	17	12	2	
6/21/2012		4	17	12	0	
6/22/2012		4	17	13	0	
6/23/2012		4	17	13	0	
6/24/2012		4	17	13	0	
6/25/2012		4	17	13	0	
6/26/2012		4	17	13	0	
6/27/2012		4	17	13	0	
6/28/2012		4	17	13	0	
6/29/2012		4	17	13	0	
6/30/2012		4	17	13	0	
7/1/2012					0	

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W400 Duell 4-17 North Goodland Goodland None July-12

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	Casing			-		HRS	REMARKS
DATE	PSI	STATI	C	MCF	1	DOWN	(Maximum length 110 characters)
7/1/2012		4	17	,	13	0	
7/2/2012		4	17	•	13	0	meter bad, shows flow shut in
7/3/2012		4	17	,	13	2	
7/4/2012		4	17	•	13	0	r
7/5/2012		4	17	•	15	7	zero offset cal.
7/6/2012		4	17	•	6	1.5	
7/7/2012		4	17	1	10	0	
7/8/2012		4	17		10	0	·
7/9/2012		4	17		9	0	·
7/10/2012		4	17		9	0	
7/11/2012		4	17		9	0	flowing 9.55 rplcd meter flowing 12.78 with r
7/12/2012		4	17		12	0	·
7/13/2012		4	17		12	0	
7/14/2012		4	17		12	0	
7/15/2012		4	17		12	0	
7/16/2012		4	17		12	0	
7/17/2012		4	17		12	0	
7/18/2012		4	17		12	0	
7/19/2012		4	17		12	0	
7/20/2012		4	17		12	0	
7/21/2012		4	17		12	0	
7/22/2012		4	17		12	0	
7/23/2012		4	17		12	0	
7/24/2012		4	17		12	0	
7/25/2012		4	17		12	0	
7/26/2012		4	17		12	0	
7/27/2012		4	17		12	0	
7/28/2012		4	17		12	0	
7/29/2012		4	17		12	0	
7/30/2012		4	17		12	0	
7/31/2012		4	17		12	0	

Total