

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **ASL**
Deliverability

Test Date:
6/27/2012

API No. 15
15-023-20,111-0000

Company Rosewood Resources, Inc.		Lease R. Walter		Well Number #5	
County Cheyenne	Location SESW	Section 9	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Branch Systems Inc.		
Completion Date 7/18/1980		Plug Back Total Depth 1505'	Packer Set at		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1470'	Perforations 1454'	To 1468'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)	Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? Pumping Unit YES/NO		
Producing Thru (Annulus / Tubing) Annulus	% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g .6
Vertical Depth(H) 1402'	Pressure Taps Flange			(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in	6-26	20 12	at 10:30	(AM) (PM) Taken	6-27 20 12 at 10:45 (AM) (PM)
Well on Line: Started	6-27	20 12	at 10:45	(AM) (PM) Taken	6-28 20 12 at 11:30 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						84	98.4				
Flow						60	74.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _c) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{sv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						20		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_o)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_s)² = 0.207
(P_d)² = _____

(P _c) ² - (P _s) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow

Mcfd @ 14.65 psia

Deliverability

Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 19 day of December, 20 12

Witness (if any)

RECEIVED *Donnell Gilder*
KANSAS CORPORATION COMMISSION For Company

For Commission

Checked by

APR 15 2013

CONSERVATION DIVISION
WICHITA, KS

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 R. Walter #5 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.

Date: 12/19/12

Signature: 
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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CONSERVATION DIVISION
WICHITA, KS

W377
 Walter #5
 St. Francis
 St. Francis
 Pumping Unit/Elec
 June-12

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
6/1/2012		35	48	22	7.5	0	0	0	
6/2/2012		35	48	22	7.5	0	0	0	
6/3/2012		38	51	22	7.5	0	0	0	
6/4/2012		43	56	20	7.5	0	0	0	
6/5/2012		36	49	20	7.5	3.5		7	restart pu
6/6/2012		37	50	19	7.5	7		12	
6/7/2012		37	50	20	7.5	7		13	3.75 min bt
6/8/2012		37	50	20	7.5	7		14	
6/9/2012		38	51	21	7.5	7		15	
6/10/2012		37	50	21	7.5	7		11	
6/11/2012		37	50	21	7.5	7		13	
6/12/2012		37	50	21	7.5	7		14	
6/13/2012		37	50	21	7.5	7		15	3.25 min bt greased
6/14/2012		38	51	21	7.5	7		14	
6/15/2012		42	55	21	7.5	7		14	
6/16/2012		38	51	20	7.5	7		13	
6/17/2012		38	51	21	7.5	7		14	
6/18/2012		46	59	21	7.5	7		14	
6/19/2012		46	59	19	7.5	7		12	
6/20/2012		50	63	19	7.5	7		13	
6/21/2012		52	65	19	7.5	3.5		6	pu off hfp
6/22/2012		61	74	17	7.5	0		0	
6/23/2012		58	71	17	7.5	0		0	
6/24/2012		47	60	20	7.5	3.5		6	restart pu
6/25/2012		59	72	19	7.5	7		12	
6/26/2012		57	70	17	7.5	7		13	cp 62 si for state test
6/27/2012		84	67	0	7.5	3.5		6	cp 84 opened pu off no water
6/28/2012		60	73	17	7.5	0		0	
6/29/2012		59	72	21	7.5	0		0	
6/30/2012		66	59	23	7.5	0		0	
7/1/2012									
Total				582				251	

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CONSERVATION DIVISION
 WICHITA, KS

W377
 Walter #5
 St. Francis
 St. Francis
 Pumping Unit/Elec
 July-12

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
7/1/2012		47	60	20	7.5	7		12	
7/2/2012		41	54	20	7.5	7		3	11
7/3/2012		61	74	12	7.5	7			13
7/4/2012		37	50	21	7.5	7			12
7/5/2012		35	48	19	7.5	7			11
7/6/2012		33	46	19	7.5	7		1	13
7/7/2012		36	49	18	7.5	7			14
7/8/2012		42	55	18	7.5	7			13
7/9/2012		41	54	18	7.5	7			12
7/10/2012		40	53	17	7.5	7			14
7/11/2012		37	50	17	7.5	0			0 swithces were off turned power on and started pumping unit
7/12/2012		37	50	17	7.5	7			16
7/13/2012		37	50	18	7.5	7			15
7/14/2012		37	50	18	7.5	7			14
7/15/2012		37	50	19	7.5	7			15
7/16/2012		55	68	15	7.5	3.5		1.5	7 pu off hfp
7/17/2012		33	46	20	7.5	3.5			7 restart pu
7/18/2012		34	47	18	7.5	7			14
7/19/2012		43	56	18	7.5	7		0.5	13 water flow valve closed - opened
7/20/2012		45	58	18	7.5	7			14 3.5 min bt greased
7/21/2012		48	61	17	7.5	7			15
7/22/2012		40	53	19	7.5	7			16
7/23/2012		38	51	20	7.5	7		0.5	14
7/24/2012		42	55	19	7.5	7			12
7/25/2012		56	69	16	7.5	7			6 8 min bt greased
7/26/2012		37	50	19	7.5	4			3 shut pumping unit off hfp
7/27/2012		70	83	9	7.5	0		5	0
7/28/2012		50	63	20	7.5	0			0
7/29/2012		41	54	20	7.5	4			8 started pumping unit
7/30/2012		35	48	19	7.5	7			15
7/31/2012		35	48	20	7.5	7			14

Total

558

343

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CONSERVATION DIVISION
 WICHITA, KS

W377
 Walter #5
 St. Francis
 St. Francis
 Pumping Unit/Elec
 August-12

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
8/1/2012		36	49	20	7.5	7		6	
8/2/2012		39	52	20	7.5	7		8	
8/3/2012		39	52	21	7.5	7		7	
8/4/2012		38	51	21	7.5	7		9	
8/5/2012		38	51	21	7.5	7		10	
8/6/2012		36	49	21	7.5	7		9	
8/7/2012		44	57	21	7.5	7		12	4.25 min bt
8/8/2012		41	54	20	7.5	7		13	
8/9/2012		40	53	21	7.5	7		12	
8/10/2012		55	68	21	7.5	7		11	
8/11/2012		40	53	20	7.5	7	1.5	12	
8/12/2012		37	50	21	7.5	7		11	
8/13/2012		35	48	21	7.5	7		11	
8/14/2012		34	47	22	7.5	7		13	
8/15/2012		36	49	22	7.5	7		14	
8/16/2012		35	48	21	7.5	7		13	
8/17/2012		34	47	21	7.5	4		2	12 min bt greased chg timer to 4 hrs on
8/18/2012		37	50	20	7.5	4		4	
8/19/2012		37	50	20	7.5	4		5	
8/20/2012		36	49	20	7.5	4		7	
8/21/2012		35	48	21	7.5	4		9	3.25 min bt
8/22/2012		35	48	20	7.5	2		5	PU off
8/23/2012		35	48	20	7.5	2		5	Restarted
8/24/2012		39	52	19	7.5	4		8	
8/25/2012		39	52	19	7.5	4		9	
8/26/2012		37	50	20	7.5	4		8	
8/27/2012		37	50	20	7.5	4		7	
8/28/2012		36	49	20	7.5	4		9	
8/29/2012		38	51	20	7.5	4		6	
8/30/2012		38	51	20	7.5	4		9	3.25 min bt
8/31/2012		38	51	20	7.5	4		6	
Total				634				270	

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