

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow **SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/12/2009

API No. 15
023-20665-0000

Company Rosewood Resources, Inc.		Lease Northrup		Well Number 43-33	
County Cheyenne	Location NESE	Section 33	TWP 2S	Range (E/W) 42W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 4-1-2006		Plug Back Total Depth 1766'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1767.06'	Perforations 1616'	To 1642'
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? <input checked="" type="radio"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen Gas Gravity - G _g .6	
Vertical Depth(H) 1642'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 8-11 20 09 at 11:45 (AM) (PM)		Taken 8-12 20 09 at 11:55 (AM) (PM)			
Well on Line: Started 8-12 20 09 at 11:55 (AM) (PM)		Taken 8-13 20 09 at 1:45 (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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						50	64.4				
Flow						110	124.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						35		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _g) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _g 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: $\frac{P_c^2 - P_g^2}{P_c^2 - P_w^2}$	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 20 day of November, 2009

Witness (if any)

For Commission

Tom W. Roach

For Company

Checked by _____ NOV 30 2009

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.

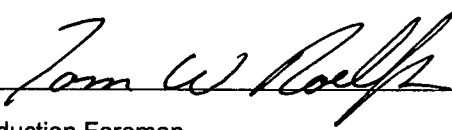
I hereby request a one-year exemption from open flow testing for the Northrup 43-33 gas well on the grounds that said well:

(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: 11/20/09

Signature: 
Title: Production Foreman

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.

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 30 2009

CONSERVATION DIVISION
WICHITA, KS

W2059
 Northrup 43-33
 West St. Francis
 St. Francis
 None
 August-09

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)		
	PSI	PSI							
8/1/2009			61	35	6	12	0	16	
8/2/2009			61	35	6	12	0	17	
8/3/2009			79	31	6	12	0	18	
8/4/2009			79	31	6	12	0	17	
8/5/2009			81	28	6	12	0	16	
8/6/2009			81	28	6	12	0	17	
8/7/2009			85	31	6	12	0	18	
8/8/2009			79	31	6	12	0	17	
8/9/2009			79	31	6	12	0	16	
8/10/2009			82	30	6	12	0	17	PU OFF
8/11/2009			74	28	6	12	0	0	
8/12/2009		50	69	25	6	12	0	0	shut in for test
8/13/2009		110	71	6	6	12	0	0	open
8/14/2009			79	26	6	12	0	0	
8/15/2009			60	28	6	12	0	0	started
8/16/2009			57	31	0	0	0	0	PU OFF
8/17/2009			135	12	0	0	0	0	
8/18/2009			136	14	0	0	0	0	
8/19/2009			140	0	0	0	0	0	
8/20/2009			56	26	6	12	0	0	started
8/21/2009			61	30	6	12	0	16	
8/22/2009			55	36	6	12	4	16	
8/23/2009			90	30	6	12	0	14	
8/24/2009			93	30	6	12	0	16	
8/25/2009			89	26	6	12	4	15	
8/26/2009			56	35	6	12	0	14	
8/27/2009			53	33	6	12	0	15	
8/28/2009			54	35	6	12	0	16	
8/29/2009			135	33	6	12	0	16	
8/30/2009			82	28	6	12	3	17	
8/31/2009			80	33	6	12	0	16	

Total

856

340

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CONSERVATION DIVISION
 WICHITA, KS

W2059
 Northrup 43-33
 West St. Francis
 St. Francis
 None
 September-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs
9/1/2009		0	80	32	6	17	0
9/2/2009		0	79	33	6	17	0
9/3/2009		0	57	35	6	17	0
9/4/2009		0	79	24	6	17	6
9/5/2009		0	82	34	6	17	0
9/6/2009		0	78	33	6	17	0
9/7/2009		0	78	33	6	17	0
9/8/2009		0	78	32	6	17	0
9/9/2009		0	58	35	6	17	0
9/10/2009		0	56	35	6	17	0
9/11/2009		0	53	35	6	17	0
9/12/2009		0	52	35	6	17	0
9/13/2009		0	62	34	6	17	1.5
9/14/2009		0	77	32	6	17	0
9/15/2009		0	77	31	6	17	0
9/16/2009		0	60	34	6	17	0
9/17/2009		0	52	35	6	17	0
9/18/2009		0	52	35	6	17	0
9/19/2009		0	61	33	6	17	0
9/20/2009		0	75	31	6	17	0
9/21/2009		0	76	30	6	17	0
9/22/2009		0	75	31	6	17	0
9/23/2009		0	54	34	6	17	0
9/24/2009		0	66	32	0	0	0
9/25/2009		0	82	21	0	0	6
9/26/2009		0	113	17	0	0	0
9/27/2009		0	104	31	0	0	0
9/28/2009		0	97	31	0	0	0
9/29/2009		0	76	25	0	0	0
9/30/2009		0	78	16	0	0	8
10/1/2009		0	0	0	0	0	0

Total

929

540

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NOV 30 2009

CONSERVATION DIVISION
 WICHITA, KS

W2059
 Northrup 43-33
 West St. Francis
 St. Francis
 None
 October-09

DATE	Tubing PSI	Casing PSI	STATIC	MCF	SPM	HRS CYCLE DOWN	Water BBLs
10/1/2009		0	114	15	0	0	0
10/2/2009		0	98	26	0	0	0
10/3/2009		0	85	22	0	0	0
10/4/2009		0	81	20	0	0	1
10/5/2009		0	65	19	0	0	0
10/6/2009		0	78	18	0	0	0
10/7/2009		0	67	23	0	0	0
10/8/2009		0	89	20	0	0	0
10/9/2009		0	92	15	0	0	0
10/10/2009		0	85	18	0	0	0
10/11/2009		0	79	17	0	0	0
10/12/2009		0	75	16	0	0	0
10/13/2009		0	77	12	0	0	0
10/14/2009		0	77	16	0	0	0
10/15/2009		0	84	15	0	0	0
10/16/2009		0	96	16	0	0	2.5
10/17/2009		0	64	16	0	0	0
10/18/2009		0	62	15	0	0	0
10/19/2009		0	68	14	0	0	0
10/20/2009		0	72	14	0	0	0
10/21/2009		0	63	14	0	0	0
10/22/2009		0	62	14	0	0	0
10/23/2009		0	62	14	0	0	0
10/24/2009		0	63	14	0	0	0
10/25/2009		0	67	13	0	0	0
10/26/2009		0	61	13	0	0	0
10/27/2009		0	60	13	0	0	0
10/28/2009		0	64	13	0	0	0
10/29/2009		0	64	13	0	0	0
10/30/2009		0	68	13	0	0	0
10/31/2009		0	67	13	0	0	0
Total				494			0

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 WICHITA, KS