

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow *SI*
 Deliverability

(See Instructions on Reverse Side)

Test Date:
3/17/2009

API No. 15
023-20613-00

Company Rosewood Resources, Inc.		Lease Willard		Well Number 1-26	
County Cheyenne	Location NW NE/4	Section 26	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 5/27/2005		Plug Back Total Depth 1506'		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1506'	Perforations 1294'	To 1328'
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="checkbox"/> Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g .6
Vertical Depth(H) 1328'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 3-17 20 09 at 8:20		(AM) (PM) Taken 3-18 20 09 at 8:35		(AM) (PM)	
Well on Line: Started 3-18 20 09 at 8:35		(AM) (PM) Taken 3-19 20 09 at 9:20		(AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						251	265.4				
Flow						114	128.4			72	

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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						61		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	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 31 day of December, 20 09.

Witness (if any)

For Commission

Wayne

For Company
Checked by

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KCC WICHITA

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 Willard 1-26 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: 12/31/09

Signature: Wayne Inaker
Title: Assistant 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.

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W378
 Willard 01-26
 St. Francis
 St. Francis
 None
 March-09

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
3/1/2009			63	32	0	0	0
3/2/2009			62	34	0	0	0
3/3/2009			62	34	0	0	0
3/4/2009			62	33	0	0	0 bp
3/5/2009			63	33	0	0	0
3/6/2009			60	33	0	0	0
3/7/2009			60	33	0	0	0
3/8/2009			60	33	0	0	0
3/9/2009			59	33	0	0	0
3/10/2009			57	33	0	0	0
3/11/2009			57	37	0	0	0
3/12/2009			57	35	0	0	0
3/13/2009			64	33	0	2	0
3/14/2009			62	32	0	0	0
3/15/2009			62	32	0	0	0
3/16/2009			88	32	0	0	0
3/17/2009		251	222	0	0	24	0
3/18/2009			222	0	0	24	0
3/19/2009		114	76	42	0	4.5	0
3/20/2009			70	42	0	0	0 restart P U
3/21/2009			70	44	6	24	0 23
3/22/2009			70	49	6	24	0 23
3/23/2009			70	51	6	24	0 23
3/24/2009			68	53	6	24	0 22
3/25/2009			68	57	6	24	0 22
3/26/2009			71	61	6	24	0 22
3/27/2009			71	61	6	24	0 23
3/28/2009			66	60	6	24	0 23
3/29/2009			66	60	6	24	0 23
3/30/2009			63	60	6	24	0 22
3/31/2009			64	61	6	24	0 23

Total

1233

249

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W378
 Willard 01-26
 St. Francis
 St. Francis
 None
 April-09

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	DOWN	Water	BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI									
4/1/2009			66	61	6.5	24	0	43			
4/2/2009			65	61	6.5	24	0	44			
4/3/2009			69	50	6.5	24	0	43			
4/4/2009			65	69	6.5	24	0	42			
4/5/2009			66	70	6.5	24	0	41			
4/6/2009			67	72	6.5	24	0	43			
4/7/2009			69	73	6.5	24	0	42			
4/8/2009			68	74	6.5	24	0	43			
4/9/2009			70	75	6.5	24	0	44			
4/10/2009			72	76	6.5	24	0	43			
4/11/2009			72	76	6.5	24	0	42			
4/12/2009			72	77	6.5	24	0	41			
4/13/2009			75	77	6.5	24	0	42			
4/14/2009			86	77	6.5	24	0	43			bucket test 4 min greased bp
4/15/2009			66	78	6.5	24	0	44			
4/16/2009			66	78	6.5	24	0	43			
4/17/2009			81	78	6.5	24	0	44			
4/18/2009			75	78	6.5	24	0	42			
4/19/2009			75	78	6.5	24	0	42			
4/20/2009			75	78	6.5	24	0	42			
4/21/2009			88	76	6.5	17	0	24			put on auto bucket test 5 min bp
4/22/2009			66	78	6.5	17	0	23			
4/23/2009			84	77	6.5	17	0	22			
4/24/2009			66	74	6.5	17	0	23			
4/25/2009			65	75	6.5	17	0	24			
4/26/2009			63	73	6.5	17	0	23			
4/27/2009			65	70	6.5	17	0	22			
4/28/2009			64	74	6.5	17	0	24			bucket test 4 min
4/29/2009			63	72	6.5	17	0	23			
4/30/2009			65	71	6.5	17	0	22			
5/1/2009							0				

Total

2196

1083

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W378
 Willard 01-26
 St. Francis
 St. Francis
 None
 May-09

DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)	
	PSI	PSI						
5/1/2009			66	70	6.5	17	0	23
5/2/2009			67	70	6.5	17	0	24
5/3/2009			66	70	6.5	17	0	23
5/4/2009			76	71	6.5	17	0	22
5/5/2009			63	71	6.5	17	0	23 bp
5/6/2009			63	71	6.5	17	0	24 bucket test 4 min greased
5/7/2009			63	71	6.5	17	0	23
5/8/2009			64	70	6.5	17	0	22
5/9/2009			64	70	6.5	17	0	23
5/10/2009			63	71	6.5	17	0	24
5/11/2009			68	70	6.5	17	0	23
5/12/2009			73	70	6.5	17	0	22 bp
5/13/2009			74	70	6.5	17	0	24 bucket test 4 min
5/14/2009			74	70	6.5	17	0	23
5/15/2009			73	70	6.5	17	0	22
5/16/2009			75	70	6.5	17	0	21
5/17/2009			75	70	6.5	17	0	22
5/18/2009			76	70	6.5	17	0	23
5/19/2009			88	70	6.5	17	0	22
5/20/2009			106	29	0	0	12	0 shut pump off hfp
5/21/2009			73	79	6.5	17	0	0 started pumping unit
5/22/2009			73	65	6.5	17	0	24
5/23/2009			74	66	6.5	17	0	23
5/24/2009			73	65	6.5	17	0	22
5/25/2009			73	66	6.5	17	0	21
5/26/2009			74	66	6.5	17	0	22
5/27/2009			73	66	6.5	17	0	23
5/28/2009			71	52	6.5	17	0	22 bp
5/29/2009			71	51	6.5	17	0	21
5/30/2009			71	52	6.5	17	0	21
5/31/2009			71	52	6.5	17	0	20

Total

2044

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