

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

Open Flow **24 SI**
 Deliverability

(See Instructions on Reverse Side)

Test Date: **9-27-04** API No. 15 **181-203570000**

Company Rosewood Resources		Lease Stasser, C.			Well Number 1-16			
County Sherman	Location SE NE	Section 16	TWP 7S	RNG (E/W) 39 W	Acres Attributed 80			
Field Shoeland	Reservoir Niobrara		Gas Gathering Connection B. S. I.					
Completion Date 8-6-04		Plug Back Total Depth 11		Packer Set at				
Casing Size 4.5"	Weight 10.5#	Internal Diameter 4.052"	Set at 1126	Perforations 918	To 945			
Tubing Size N/A	Weight	Internal Diameter	Set at	Perforations	To			
Type Completion (Describe) SINGLE (vertical)		Type Fluid Production GAS		Pump Unit or Traveling Plunger? Yes / No flowing / <input checked="" type="checkbox"/>				
Producing Thru (Annulus / Perforation) Annulus		% Carbon Dioxide 0		% Nitrogen 0				
Vertical Depth (H) _{ic} 1135 TD 945		Pressure Taps flange		Gas Gravity - G _g 0.64				
				(Meter Run) (Prover) Size 2"				
Pressure Buildup: Shut in	8-9 20 04	at	8	(AM) (PM) Taken	9-27 20 04	at	8	(AM) (PM)
Well on Line: Started	9-27 20 04	at	4	(AM) (PM) Taken	10-21 20 04	at	8	(AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in **1172** 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						62	76.4				
Flow						43	57.4			24	

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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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						30		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_d)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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 14 day of January, 20 05.

Witness (if any)

Renée Harris
For Company

For Commission

Checked by

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 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 Stasser, C 1-16 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: 1/14/05

Signature: [Handwritten Signature]
Title: Regional Engineer

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.

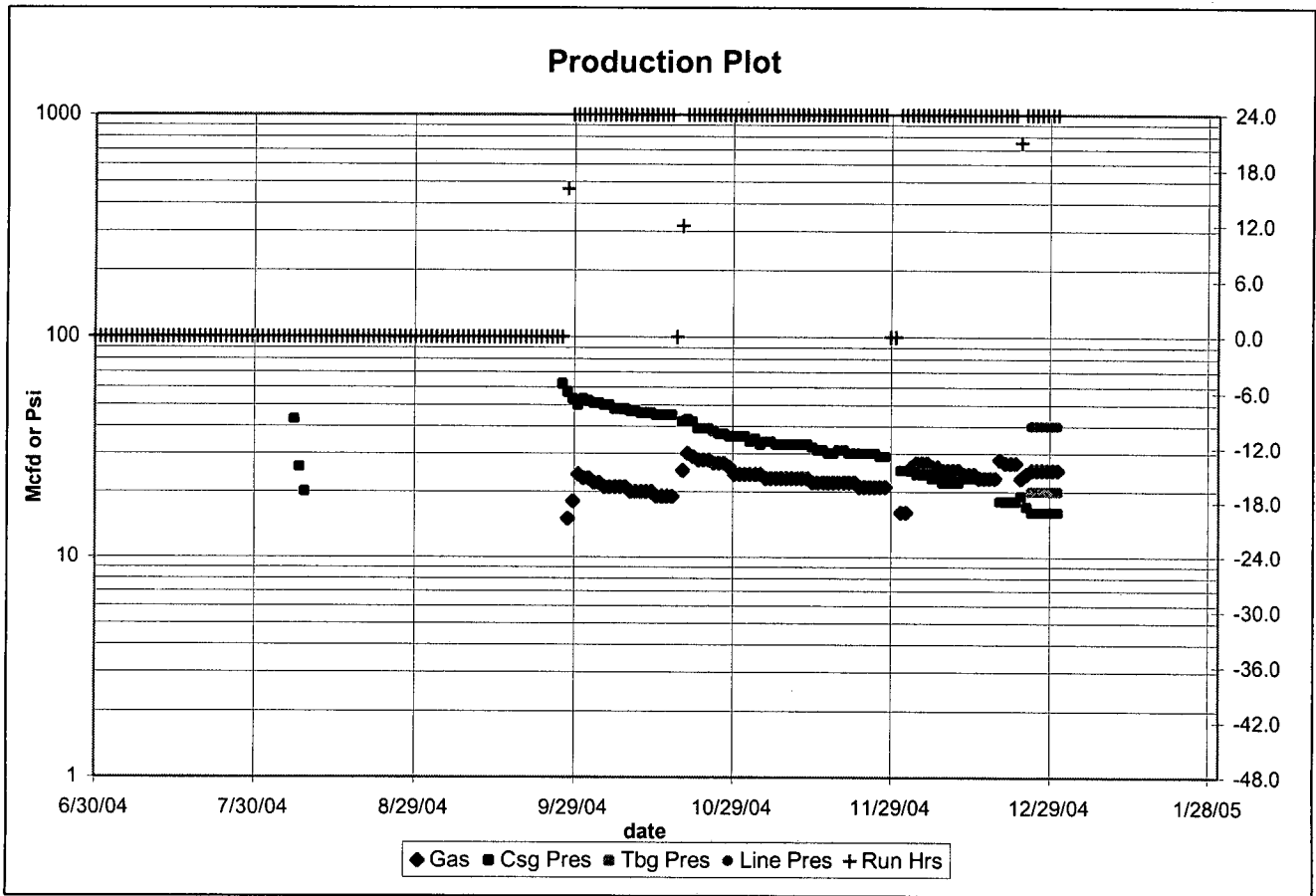
At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner 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.

Actual
STASSER,C 01-16

	<u>Gas</u>	<u>Csq Press</u>	<u>Tbg Press</u>	<u>Line Press</u>	<u>Hrs</u>	<u>Remarks</u>
2004/01	null	null	null	null	null	
2004/02	null	null	null	null	null	
2004/03	null	null	null	null	null	
2004/04	null	null	null	null	null	
2004/05	null	null	null	null	null	
2004/06	null	null	null	null	null	Spud
2004/07	null	null	null	null	null	TD
2004/08	null	null	null	null	null	Frac
2004/09	57	55.5	null	null	21.3	G-2 & 1st Sales
2004/10	694	44.2	null	null	23.6	
2004/11	627	31.8	null	null	24.0	
2004/12	761	20.8	null	null	23.9	
TOTAL	2139	38.1			23.2	

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Actual						Remarks
STASSER,C 01-16						
Gas	Csg Press	Tbg Press	Line Press	Hrs		
06/30/2004	null	null	null	null	null	SPUD set surf 321
07/01/2004	null	null	null	null	null	TD 1135 set 4.5" 10.5# Prd Csg @ 1126
07/02/2004	null	null	null	null	null	WOC*CU
07/03/2004	null	null	null	null	null	? WOCU
07/04/2004	null	null	null	null	null	? WOCU
07/05/2004	null	null	null	null	null	? WOCU
07/06/2004	null	null	null	null	null	? WOCU
07/07/2004	null	null	null	null	null	? WOCU
07/08/2004	null	null	null	null	null	? WOCU
07/09/2004	null	null	null	null	null	? WOCU
07/10/2004	null	null	null	null	null	? WOCU
07/11/2004	null	null	null	null	null	? WOCU
07/12/2004	null	null	null	null	null	? WOCU
07/13/2004	null	null	null	null	null	? WOCU
07/14/2004	null	null	null	null	null	? WOCU
07/15/2004	null	null	null	null	null	? WOCU
07/16/2004	null	null	null	null	null	? WOCU
07/17/2004	null	null	null	null	null	? WOCU
07/18/2004	null	null	null	null	null	? PBSD 1122 Perf 918-945 spf2
07/19/2004	null	null	null	null	null	WOFU
07/20/2004	null	null	null	null	null	? WOFU
07/21/2004	null	null	null	null	null	? WOFU
07/22/2004	null	null	null	null	null	? WOFU
07/23/2004	null	null	null	null	null	? WOFU
07/24/2004	null	null	null	null	null	? WOFU
07/25/2004	null	null	null	null	null	? WOFU
07/26/2004	null	null	null	null	null	? WOFU
07/27/2004	null	null	null	null	null	? WOFU
07/28/2004	null	null	null	null	null	? WOFU
07/29/2004	null	null	null	null	null	? WOFU
07/30/2004	null	null	null	null	null	? WOFU
07/31/2004	null	null	null	null	null	? WOFU
08/01/2004	null	null	null	null	null	? WOFU
08/02/2004	null	null	null	null	null	? WOFU
08/03/2004	null	null	null	null	null	? WOFU
08/04/2004	null	null	null	null	null	? WOFU
08/05/2004	null	null	null	null	null	? WOFU
08/06/2004	null	null	null	null	null	? N2 FRAC 50k# SICP 2 hr & Flo to Pit 18/64"
08/07/2004	null	43	null	null	null	? FCP 18/64 Chk Lite mist
08/08/2004	null	26	null	null	null	? FCP 24/64 Chk DryG
08/09/2004	null	20	null	null	null	? FCP Dry Gas & SI
08/10/2004	null	null	null	null	null	? SI 24 hrs. WOPL
08/11/2004	null	null	null	null	null	WOPL, SI hrs: 48
08/12/2004	null	null	null	null	null	WOPL, SI hrs: 72
08/13/2004	null	null	null	null	null	WOPL, SI hrs: 96
08/14/2004	null	null	null	null	null	WOPL, SI hrs: 120
08/15/2004	null	null	null	null	null	WOPL, SI hrs: 144
08/16/2004	null	null	null	null	null	WOPL, SI hrs: 168
08/17/2004	null	null	null	null	null	WOPL, SI hrs: 192
08/18/2004	null	null	null	null	null	WOPL, SI hrs: 216
08/19/2004	null	null	null	null	null	WOPL, SI hrs: 240
08/20/2004	null	null	null	null	null	WOPL, SI hrs: 264
08/21/2004	null	null	null	null	null	WOPL, SI hrs: 288
08/22/2004	null	null	null	null	null	WOPL, SI hrs: 312
08/23/2004	null	null	null	null	null	WOPL, SI hrs: 336
08/24/2004	null	null	null	null	null	WOPL, SI hrs: 360
08/25/2004	null	null	null	null	null	WOPL, SI hrs: 384
08/26/2004	null	null	null	null	null	WOPL, SI hrs: 408
08/27/2004	null	null	null	null	null	WOPL, SI hrs: 432
08/28/2004	null	null	null	null	null	WOPL, SI hrs: 456
08/29/2004	null	null	null	null	null	WOPL, SI hrs: 480
08/30/2004	null	null	null	null	null	WOPL, SI hrs: 504
08/31/2004	null	null	null	null	null	WOPL, SI hrs: 528
09/01/2004	0	null	null	null	0.0	WOPL, SI hrs: 552
09/02/2004	0	null	null	null	0.0	WOPL, SI hrs: 576
09/03/2004	0	null	null	null	0.0	WOPL, SI hrs: 600
09/04/2004	0	null	null	null	0.0	WOPL, SI hrs: 624
09/05/2004	0	null	null	null	0.0	WOPL, SI hrs: 648
09/06/2004	0	null	null	null	0.0	WOPL, SI hrs: 672
09/07/2004	0	null	null	null	0.0	WOPL, SI hrs: 696
09/08/2004	0	null	null	null	0.0	WOPL, SI hrs: 720
09/09/2004	0	null	null	null	0.0	WOPL, SI hrs: 744
09/10/2004	0	null	null	null	0.0	WOPL, SI hrs: 768
09/11/2004	0	null	null	null	0.0	WOPL, SI hrs: 792
09/12/2004	0	null	null	null	0.0	WOPL, SI hrs: 816
09/13/2004	0	null	null	null	0.0	WOPL, SI hrs: 840
09/14/2004	0	null	null	null	0.0	WOPL, SI hrs: 864
09/15/2004	0	null	null	null	0.0	WOPL, SI hrs: 888
09/16/2004	0	null	null	null	0.0	WOPL, SI hrs: 912
09/17/2004	0	null	null	null	0.0	WOPL, SI hrs: 936
09/18/2004	0	null	null	null	0.0	WOPL, SI hrs: 960
09/19/2004	0	null	null	null	0.0	WOPL, SI hrs: 984

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Actual						
STASSER,C 01-16						
Gas	Csg Press	Tbg Press	Line Press	Hrs	Remarks	
09/20/2004	0	null	null	null	0.0	WOPL, SI hrs: 1008
09/21/2004	0	null	null	null	0.0	WOPL, SI hrs: 1032
09/22/2004	0	null	null	null	0.0	WOPL, SI hrs: 1056
09/23/2004	0	null	null	null	0.0	WOPL, SI hrs: 1080
09/24/2004	0	null	null	null	0.0	WOPL, SI hrs: 1104
09/25/2004	0	null	null	null	0.0	WOPL, SI hrs: 1128
09/26/2004	0	null	null	null	0.0	WOPL, SI hrs: 1152
09/27/2004	0	62	null	null	0.0	SI hrs: 1176 G-2 taken. Put on line
09/28/2004	15	57	null	null	16.0	
09/29/2004	18	53	null	null	24.0	
09/30/2004	24	50	null	null	24.0	
10/01/2004	23	53	null	null	24.0	
10/02/2004	23	52	null	null	24.0	
10/03/2004	22	51	null	null	24.0	
10/04/2004	22	51	null	null	24.0	
10/05/2004	21	50	null	null	24.0	
10/06/2004	21	50	null	null	24.0	
10/07/2004	21	48	null	null	24.0	
10/08/2004	21	48	null	null	24.0	
10/09/2004	21	48	null	null	24.0	
10/10/2004	20	47	null	null	24.0	
10/11/2004	20	47	null	null	24.0	
10/12/2004	20	46	null	null	24.0	
10/13/2004	20	46	null	null	24.0	
10/14/2004	20	46	null	null	24.0	
10/15/2004	19	45	null	null	24.0	
10/16/2004	19	45	null	null	24.0	
10/17/2004	19	45	null	null	24.0	
10/18/2004	19	45	null	null	24.0	
10/19/2004	0	null	null	null	0.0	SI
10/20/2004	25	42	null	null	12.0	
10/21/2004	30	43	null	null	24.0	
10/22/2004	29	42	null	null	24.0	
10/23/2004	28	39	null	null	24.0	
10/24/2004	28	39	null	null	24.0	
10/25/2004	28	39	null	null	24.0	
10/26/2004	27	38	null	null	24.0	
10/27/2004	27	37	null	null	24.0	
10/28/2004	27	37	null	null	24.0	
10/29/2004	26	36	null	null	24.0	
10/30/2004	24	36	null	null	24.0	
10/31/2004	24	36	null	null	24.0	
11/01/2004	24	36	null	null	24.0	
11/02/2004	24	34	null	null	24.0	
11/03/2004	24	35	null	null	24.0	
11/04/2004	24	33	null	null	24.0	
11/05/2004	23	34	null	null	24.0	
11/06/2004	23	34	null	null	24.0	
11/07/2004	23	33	null	null	24.0	
11/08/2004	23	33	null	null	24.0	
11/09/2004	23	33	null	null	24.0	
11/10/2004	23	33	null	null	24.0	
11/11/2004	23	33	null	null	24.0	
11/12/2004	23	33	null	null	24.0	
11/13/2004	23	33	null	null	24.0	
11/14/2004	22	32	null	null	24.0	
11/15/2004	22	31	null	null	24.0	
11/16/2004	22	31	null	null	24.0	
11/17/2004	22	30	null	null	24.0	
11/18/2004	22	30	null	null	24.0	
11/19/2004	22	31	null	null	24.0	
11/20/2004	22	31	null	null	24.0	
11/21/2004	22	30	null	null	24.0	
11/22/2004	22	30	null	null	24.0	
11/23/2004	21	30	null	null	24.0	
11/24/2004	21	30	null	null	24.0	
11/25/2004	21	30	null	null	24.0	
11/26/2004	21	30	null	null	24.0	
11/27/2004	21	29	null	null	24.0	
11/28/2004	21	29	null	null	24.0	
11/29/2004	null	null	null	null	null	SI
11/30/2004	null	null	null	null	null	SI
12/01/2004	16	25	null	null	24.0	
12/02/2004	16	25	null	null	24.0	
12/03/2004	26	25	null	null	24.0	
12/04/2004	27	24	null	null	24.0	
12/05/2004	27	24	null	null	24.0	
12/06/2004	27	24	null	null	24.0	
12/07/2004	26	23	null	null	24.0	
12/08/2004	26	23	null	null	24.0	
12/09/2004	25	22	null	null	24.0	
12/10/2004	25	22	null	null	24.0	

Actual							Remarks
STASSER,C 01-16							
Gas	Csg Press	Tbg Press	Line Press	Hrs			
12/11/2004	25	22	null	null	24.0		
12/12/2004	25	22	null	null	24.0		
12/13/2004	24	23	null	null	24.0		
12/14/2004	24	23	null	null	24.0		
12/15/2004	24	23	null	null	24.0		
12/16/2004	23	23	null	null	24.0		
12/17/2004	23	23	null	null	24.0		
12/18/2004	23	23	null	null	24.0		
12/19/2004	23	23	null	null	24.0		
12/20/2004	28	18	null	null	24.0		
12/21/2004	27	18	null	null	24.0		
12/22/2004	27	18	null	null	24.0		
12/23/2004	27	18	null	null	24.0		
12/24/2004	23	19	null	null	21.0		
12/25/2004	24	17	null	null	24.0		
12/26/2004	25	16	20	40	24.0		
12/27/2004	25	16	20	40	24.0		
12/28/2004	25	16	20	40	24.0		
12/29/2004	25	16	20	40	24.0		
12/30/2004	25	16	20	40	24.0		
12/31/2004	25	16	20	40	24.0		
2004	2139				23.2		