Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

☐ Open Flow

☐ Deliverabilty

Test Date: 7/6/10

API No. 15
023-20271 -∞ - ⊙|

Company		Lease			Well Number
PRIME OPERATING COMPANY		Raile			1-27

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Cheyenne	C SENW	27	3S	42W	160

Field	Reservoir	Gas Gathering Connection
NW Cherry Creek	Niobrara	Kinder Morgan

Completion Date	Plug Back Total Depth	Packer Set at
3/27/91	1643	NA

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4-1/2"	10.5#	4.052"	1668.39'	1500'	1532'

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2-3/8"	4.7#	2"	1574.24'	NA	

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
singular "conventional"	water	Yes

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity · G_g
Annulus			.59

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
1668'	flange	2"

Pressure Buildup: Shut in July 6 20 10 at 12:00 (AM) PM Taken July 9 20 10 at 3:00 (AM) PM

Well on Line: Started July 9 20 10 at 3:00 (AM) PM Taken July 10 20 10 at 12:30 (AM) PM

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one. Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H₂0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						80	94				
Flow						28	42				

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension √P_m x h	Gravity Factor F_g	Flowing Temperature Factor F_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m

(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. $P_c^2 - P_a^2$ or 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 30 day of November , 20 10 .

Witness (if any) _____

For Commission _____

For Company _____

Checked by _____

Form G-2
(Rev. 7/03)

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 PRIME OPERATING COMPANY

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 Ilene Raile 1-27

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: 11/30/10

Signature: _____

Title: H. G. Livingston, District Manager

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.

Monthly Gauge Sheet

Well Name: _Raile 1-27_

Pumper: _2r 375_

Month _7/10_

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1	41	12	20	36		28	/24	4.5 min Wtr Test
2	41	12	20	36		28	/24	
3	41	12	20	35		28	/24	
4	41	12	20	36		28	/24	
5	41	12	20	34		28	/24	
6	41	12	3~	21		28	14	Shut in for test
7			0	0			off	at 12 pm
8			0	0			off	
9	38	20	16	0		80	off	On line 3pm
10	41	16	23	0		28	off	
11	41	14	21	0		28	off	
12	41	12	20	0		28	off	
13	41	12	20	36		28	/24	Restarted writ 4.5min.
14	41	12	20	36		28	/24	
15	43	10	18	34		30	/24	
16	43	10	18	34		30	/24	
17	43	10	15	30		30	/20	CD 4h
18	58	9	20	0		45	off	
19	53	9	19	0		40	off	
20	43	9	17	0		30	off	
21	38	9	16	0		25	off	
22	38	4	11	0		25	off	
23	38	5	12	0		25	off	
24	38	8	15	0		25	off	
25	38	8	15	0		25	off	
26	38	8	15	0		25	off	
27	38	8	15	0		25	off	
28	38	8	15	0		25	off	
29	41	8	15	0		28	off	
30	41	8	15	0		28	off	
31	43	8	15	0		30	off	
Totals			~~~~~~	368				

504

Monthly Gauge Sheet

Well Name: Raile 1-27

Pumper: LY 375   Month 8-10

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks	Benney
1	38	8	15			25	off		4012
2	38	8	15				off		4015
3	38	7	14			25	off		4047
4	38	7	14			25	off		3982
5	38	7	14			25	off		
6	35	7	14			25	off		
7	38	7	14			25	off		
8	38	7	14			25	off		
9	38	7	14			25	off		
10	38	7	14			25	off		3346
11	38	6	13			25	off		
12	38	6	13			25	off		3312
13	38	6	13			25	off		3949
14	38	6	13			25	off		4083
15	38	6	13			25	off		3991
16	38	6	13			25	off		3958
17	38	6	13			25	off		3866
18	30	6	13	11		25	3/16	New Rings Restarted	3958
19	38	6	13	17		25	3/24	10min WTR Test	
20	39	7	15	17		26	3/24		
21	39	8	16	17		26	3/24		4024
22	38	8	15	17		26	3/24		4058
23	38	8	15	17		25	3/24		4024
24	38	8	15	17		25	3/24		3978
25	38	8	15	17		25	3/24		3940
26	38	8	15	17		25	3/24		3983
27	38	8	15	17		25	3/24		3890
28	38	8	15	17		26	3/24		3910
29	38	8	15	17		25	3/24		3929
30	36	9	16	17		25	3/24		3840
31	38	9	16	17			3/24	10min wTR Test	3904
		Totals	442	232					