

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
9/5/2012

API No. 15
023-20271 - 0001

Company Prime Operating Company		Lease Raile		Well Number 1-27	
County Cheyenne	Location SENW	Section 27	TWP 3S	RNG (E/W) 42W	Acres Attributed 160
Field NW Cherry Creek		Reservoir Niobrara	Gas Gathering Connection Kinder Morgan		
Completion Date 3/27/91		Plug Back Total Depth 1643	Packer Set at NA		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052"	Set at 1668.39'	Perforations 1500'	To 1532'
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 2"	Set at 1574.24'	Perforations NA	To
Type Completion (Describe) Singular (conventional)		Type Fluid Production Water	Pump Unit or Traveling Plunger? Yes / No Yes		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .59	
Vertical Depth(H) 1668'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup:	Shut in 9/5	20 12 at 9:00 AM	(AM) (PM) Taken 9/6	20 12 at 9:00 AM	(AM) (PM)
Well on Line:	Started 9/6	20 12 at 9:00 AM	(AM) (PM) Taken 9/8	20 12 at 1:00 PM	(AM) (PM)

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OBSERVED SURFACE DATA

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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						70	84				
Flow						17	31				

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (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 _{TH}	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_g = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207 (P_g)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _g 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 3 day of November, 20 12

Witness (if any)

For Company

For Commission

Checked by

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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.

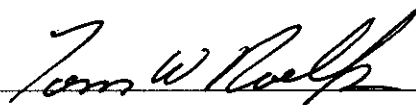
I hereby request a one-year exemption from open flow testing for the ILENE RAILE 1-27 gas well on the grounds that said well:

(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: 11/3/12

Signature: 

Title: Tom Roelfs, Drg / Prod 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.

Monthly Gauge Sheet

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Well Name: Railx 1-27

Pumper: 2x.325

Month 8-12

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1	30	15	19	25		17	4/24	
2	30	15	19	26		17	4/24	
3	30	15	19	26		17	4/24	
4	30	15	19	25		17	4/24	
5	30	15	19	27		17	4/24	
6	30	16	19	26		17	4/24	
7	30	16	19	26		17	4/24	
8	30	16	19	25		17	4/24	
9	30	16	19	25		17	4/24	
10	30	16	19	26		17	4/24	
11	30	16	19	26		17	4/24	
12	30	16	19	27		17	4/24	
13	30	16	19	25		17	4/24	
14	30	16	19	26		17	4/24	
15	30	17	20	25		17	4/24	
16	30	16	19	25		17	4/24	
17	30	16	19	26		17	4/24	
18	30	16	19	27		17	4/24	
19	30	16	19	26		17	4/24	
20	30	16	19	26		17	4/24	
21	30	16	19	26		17	4/24	
22	30	16	19	25		17	off	
23	30	15	19	25		17	4/24	
24	30	14	18	26		17	4/24	
25	30	14	18	27		17	4/24	
26	30	14	18	26		17	4/24	
27	30	14	18	26		17	4/24	
28	30	14	18	27		17	4/24	
29	30	14	18	26		17	4/24	
30	36	14	18	25		17	off	
31	30	14	18	25		17	off	

Totals 582 725 BBL

Monthly Gauge Sheet

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Well Name: Rate 1-27

Pumper: 2X-375

Month 9/12

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1	30	14	18	0		17	off	
2	30	12	17	0		17	off	
3	30	12	17	0		17	off	
4	30	11	16	0		17	off	
5		0		0			off	
6	83	20	36	0		70	off	shut in 9:00A opened 7:00P 70LB
7	33	12	18	0		20	off	
8	30	13	17	0		17	off	
9	30	13	17	25		17	4/24	started unit
10	30	13	17	26		17	4/24	
11	30	13	17	26		17	4/24	
12	30	16	19	25		17	4/24	
13	30	16	19	25		17	4/24	
14	30	16	19	27		17	4/24	
15	30	16	19	27		17	4/24	
16	30	16	19	26		17	4/24	
17	30	16	19	26		17	4/24	
18	30	16	19	25		17	4/24	
19	30	16	19	23		17	4/24	
20	30	15	19	26		17	4/24	
21	30	15	19	26		17	4/24	
22	30	15	19	23		17	4/24	
23	30	15	19	26		17	4/24	
24	30	15	19	25		17	4/24	
25	30	15	19	25		17	4/24	
26	30	15	19	25		17	4/24	
27	30	15	19	24		17	4/24	
28	30	15	19	26		17	4/24	
29	30	15	19	27		17	4/24	
30	30	15	19	27		17	4/24	
31								

Totals 567 OBL
554

Monthly Gauge Sheet

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Well Name: Raile 1-217

Pumper: 2K.375

Month 10-12

Day	Static	Diff	MCF	Wtr	TP	CP	SPM Cycle	Remarks
1								
2	30	12	17			17	off	
3								
4	30	12	17			17		
5								
6	30	10	15			17		
7								
8	30	10	15			17		
9								
10	30	10	15			17		
11								
12	28	10	15			15		
13								
14	28	10	15			15		
15								
16	28	10	15			15		
17								
18	28	10	15			15		
19								
20	28	10	15			15		
21								
22	28	10	15			15		
23								
24	28	9	14			15		
25							9/24	Restarted
26	28	10	15	25		15	9/24	
27								
28	28	12	16	25		15	9/24	
29								
30	28	12	16	25		15	9/24	
31								

Totals 475 150 664