

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

SIP

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
09/30/2008

API No. 15
15-199-20332-0000

Company Raven Resources		Lease Agnew		Well Number 1-23	
County Wallace	Location NE	Section 23	TWP 11	RNG (E/W) 42W	Acres Attributed
Field		Reservoir Niobrara	Gas Gathering Connection DCP Midstream		
Completion Date 8/10/07		Plug Back Total Depth 1156'	Packer Set at		
Casing Size 4-1/2"	Weight 10.5	Internal Diameter 4.090	Set at 1197.81	Perforations 1046'-1090'	To 1094'-1104'
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 1049.70	Perforations	To
Type Completion (Describe) Single Gas		Type Fluid Production None		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide 0.781	% Nitrogen 19.58	Gas Gravity - G _g .6474	
Vertical Depth(H) 1207'		Pressure Taps Flange		(Meter Run) (Prover) Size 2.067	
Pressure Buildup: Shut in 9/29 2008 at 8:00 AM (AM) (PM) Taken 9/30 2008 at 8:00 AM (AM) (PM)					
Well on Line: Started _____ 20__ at _____ (AM) (PM) Taken _____ 20__ at _____ (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in _____ 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						6.8		6.8			
Flow											

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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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	(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 _d 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: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2} \right]$	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 24th day of October, 20 08.

Witness (if any)

For Commission

For Company

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 Raven 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.

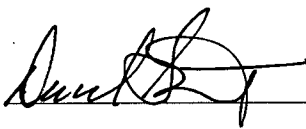
I hereby request a one-year exemption from open flow testing for the Agnew #1-23 gas well on the grounds that said well:

(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: 10/24/2008

Signature: 

Title: President

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.

AGNEW 1-23 8-9-07

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Sample No: 20073759

PRECISION WIRELINE AND TESTING
NATURAL GAS ANALYSIS REPORT
620-624-4505

Operator: Raven Resources Analysis Date: 08/14/07
Well Name: Agnew 1-23 Sample Date: 08/09/07
Location: 23-11S-42W Sample Pressure:
County: Wallace Sample Temperature:
State: Kansas Time:

Sample Source: wellhead
Formation: Niobrara
Bottle No: P-
Requested By: Raven Resources
Sampled By:

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NATURAL GAS ANALYSIS

	Mole %	GPM
Helium	0.085	
Hydrogen	0.000	
Oxygen	0.000	
Nitrogen	8.199	
Carbon Dioxide	0.738	
Methane	90.162	
Ethane	0.705	0.189
Propane	0.074	0.020
Iso Butane	0.000	0.000
Normal Butane	0.016	0.005
Iso Pentane	0.000	0.000
Normal Pentane	0.000	0.000
Hexanes Plus	0.021	0.009
TOTALS	100.000	0.223
Z Factor:		0.9982
Specific Gravity:		0.6008
BTU/cu.ft. (sat, 60 F. 14.73 psia):		914.1
BTU/cu.ft. (dry, 60 F. 14.73 psia):		930.3
Octane Rating		118.0

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Comments:

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