

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

Test Date:
10/01/2008

API No. 15
15-199-20335-0000

Company Raven Resources		Lease R.P. Cattle		Well Number 1-6	
County Wallace	Location	Section 6	TWP 12	RNG (E/W) 41W	Acres Attributed
Field Niobrara		Reservoir Niobrara		Gas Gathering Connection DCP Midstream	
Completion Date 8/14/2008		Plug Back Total Depth 1099		Packer Set at	
Casing Size 4-1/2"	Weight 10.5	Internal Diameter 4.090	Set at 1135	Perforations 816	To 850
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 824	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 32.85		% Nitrogen 4.97	
Gas Gravity - G _g .9015		Vertical Depth(H) 1162		Pressure Taps Flange	
				(Meter Run) (Prover) Size 2.067	
Pressure Buildup: Shut in 9/30 20 08 at 3:00 PM (AM) (PM)		Taken 10/1 20 08 at 3:00 PM (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						24.2		24.2		24	
Flow											

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 (Cubic Feet/ Barrel) (Mcfd)	Flowing Fluid Gravity G _m

RECEIVED
 KANSAS CORPORATION COMMISSION
 NOV 06 2008
 CONSERVATION DIVISION
 WICHITA, KS

(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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- 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 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.

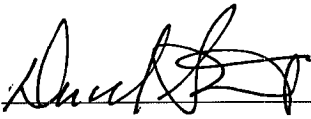
I hereby request a one-year exemption from open flow testing for the R.P. Cattle #1-6 gas well on the grounds that said well:

(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.

RP CATTLE CO 1-6 8-2-08

XX

Sample No: 20082197

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

Operator: Raven Resources Analysis Date: 08/02/08
Well Name: R P Cattle Co 1-6 Sample Date: 08/02/08
Location: 6-12S-41W Sample Pressure: 15
County: wallace Sample Temperature:
State: Kansas Time: 0930

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

XX
XX

NATURAL GAS ANALYSIS

	Mole %	GPM
Helium	0.049	
Hydrogen	0.000	
Oxygen	0.000	
Nitrogen	4.970	
Carbon Dioxide	32.850	
Methane	61.447	
Ethane	0.429	0.115
Propane	0.015	0.004
Iso Butane	0.014	0.005
Normal Butane	0.047	0.015
Iso Pentane	0.025	0.009
Normal Pentane	0.029	0.011
Hexanes Plus	0.125	0.055
TOTALS	100.000	0.212
Z Factor:		0.9975
Specific Gravity:		0.9015
BTU/cu.ft. (sat, 60 F. 14.73 psia):		631.0
BTU/cu.ft. (dry, 60 F. 14.73 psia):		642.2
Octane Rating		80.5

XX
Comments: High CO2 ?

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 12 2008

CONSERVATION DIVISION
WICHITA, KS