

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow  
 Deliverability

(See Instructions on Reverse Side)

Test Date:  
8/10/05

API No. 15  
023-20618-0000

Company Priority Oil & Gas LLC		Lease Raile		Well Number 4-24	
County Cheyenne	Location NE/NW/SW	Section 24	TWP 3S	RNG (E/W) 42	Acres Attributed
Field Cherry Creek		Reservoir Beecher Island		Gas Gathering Connection Priority Oil & Gas LLC	
Completion Date 07/26/05		Plug Back Total Depth 1581		Packer Set at	
Casing Size 4.5 in	Weight 10.5 #	Internal Diameter 4.052	Set at 1594 KB	Perforations 1389	To 1423
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) co2 frac		Type Fluid Production none		Pump Unit or Traveling Plunger? Yes / No	
Producing Thru (Annulus / Tubing) casing		% Carbon Dioxide .54	% Nitrogen 3.87	Gas Gravity - G <sub>g</sub> .5866	
Vertical Depth(H) 1615		Pressure Taps			(Meter Run) (Prover) Size
Pressure Buildup: Shut in 08/09 20 05 at 3:15 (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					
Well on Line: Started 08/10 20 05 at 3:45 (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrel)
						psig	psia	psig	psia		
Shut-In											
Flow	.500					253	267.4				

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>tt</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ ; P<sub>d</sub> = \_\_\_\_\_ % ; (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>a</sub>)<sup>2</sup> = 0.207 ; (P<sub>g</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 4th day of November, 20 05.

RECEIVED

DEC 07 2005

KCC WICHITA

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 Priority Oil & Gas LLC 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 Raile4-24 gas well on the grounds that said well:

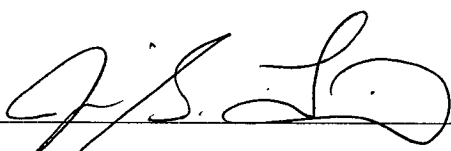
(Check one)

- 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: 11/04/05

RECEIVED  
NOV 14 2005  
KCC WICHITA

Signature:   
Title: VP Operations

**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.

RECEIVED  
DEC 07 2005  
KCC WICHITA

2-8 Rhoades Aug.'05 EFM Report.txt

EFM Report

```

Report Period      07-31-05 to 08-30-05   Run Selected      AGA #1
Meter Run Id.     2-8 Rhoades                      Tag              Id.              K0521-02
Station Name      Benkelman                          Customer Name     NONE
Operator          LOI                                 Contract Hour     8
Report Date       Sep 08 14:54:32 2005              Report Disk      ...8 Rhoades
Aug.aga
Time Download     Sep 01 17:35:43 2005              Fisher ID        Fisher FCD
Version Name      W68123   Ver 1.10                   Time Created     Nov 18, 2002  9:11
ROM Serial #
    
```

Daily Volume Report

Energy	Flow	Avg (hw)	Average (Pf)	Avg Tf	OverFlow	Pressure	Volume
Accum Date,Time	Mins	In H2O	PSI	Deg F	Constant	Ext'n	Accum MCF
08-01,08:00	0.0	0.00	-0.05	93.10	0.00	0.00	0.000
08-02,08:00	0.0	0.00	-0.06	92.63	0.00	0.00	0.000
08-03,08:00	0.0	0.00	-0.05	95.42	0.00	0.00	0.000
08-04,08:00	0.0	0.00	-0.04	90.69	0.00	0.00	0.000
08-05,08:00	0.0	0.00	-0.06	168.38	0.00	0.00	0.000
08-06,08:00	0.0	0.00	-0.05	221.97	0.00	0.00	0.000
08-07,08:00	0.0	0.00	-0.05	215.97	0.00	0.00	0.000
08-08,08:00	1151.0	94.00	64.05	45.53	66.46	84.95	108.381
08-09,08:00	1440.0	78.58	65.82	48.19	66.54	78.64	125.559
08-10,08:00	1440.0	99.60	68.32	45.07	66.57	89.65	143.294
08-11,08:00	1440.0	104.09	69.56	42.91	66.69	92.65	148.277
08-12,08:00	1440.0	98.42	70.48	42.69	66.77	90.59	145.173
08-13,08:00	1440.0	96.15	69.85	38.37	67.08	89.20	143.607
08-14,08:00	1440.0	90.00	69.46	37.40	67.20	86.08	138.824

RECEIVED  
 DEC 07 2005  
 KCC WICHITA

2-8 Rhoades Aug. '05 EFM Report.txt

137.505							
08-15,08:00	1440.0	67.66	67.80	41.90	67.10	73.81	118.835
117.706							
08-16,08:00	1440.0	54.65	66.53	45.40	66.99	65.81	105.770
104.765							
08-17,08:00	1439.9	46.88	66.83	48.45	66.86	61.04	97.959
97.029							
08-18,08:00	1440.0	41.40	65.90	49.79	66.83	57.07	91.535
90.666							
08-19,08:00	1440.0	39.10	65.04	52.50	66.67	55.17	88.285
87.446							
08-20,08:00	1440.0	38.41	65.72	50.53	66.81	54.91	88.040
87.204							
08-21,08:00	1440.0	35.14	64.24	51.53	66.77	51.99	83.351
82.559							
08-22,08:00	1440.0	31.30	65.15	49.02	66.99	49.09	78.885
78.136							
08-23,08:00	1440.0	25.62	72.83	44.80	67.40	46.53	75.239
74.525							
08-24,08:00	1440.0	24.91	67.43	47.18	67.21	44.59	71.956
71.273							
08-25,08:00	1440.0	23.65	66.89	49.90	67.04	43.32	69.717
69.055							
08-26,08:00	1440.0	22.11	65.60	49.35	67.09	41.60	66.987
66.351							
08-27,08:00	1440.0	20.78	64.47	50.14	67.04	40.05	64.477
63.864							
08-28,08:00	1440.0	20.15	63.90	50.74	67.01	39.32	63.231
62.631							
08-29,08:00	1440.0	19.61	63.04	49.54	67.09	38.58	62.115
61.525							
08-30,08:00	1440.0	19.05	62.50	50.92	67.01	37.88	60.919
60.340							
08-31,08:00	1439.5	18.55	61.71	51.96	66.94	37.19	59.715
59.148							

=====  
 Total 34270.5  
 2278.290

2300.130

\*\*\*\*\*NO MORE DATA FOUND\*\*\*\*\*

RECEIVED  
 DEC 07 2005  
 KCC WICHITA



**NATURAL GAS ANALYSIS**

PROJECT NO. :	<b>0509049</b>	ANALYSIS NO. :	<b>03</b>
COMPANY NAME :	<b>PRIORITY OIL &amp; GAS</b>	ANALYSIS DATE:	<b>SEPTEMBER 11, 2005</b>
ACCOUNT NO. :		SAMPLE DATE :	<b>AUGUST 16, 2005</b>
PRODUCER :		TO:	
LEASE NO. :	<b>2-8</b>	CYLINDER NO. :	<b>533</b>
NAME/DESCRIP :	<b>RHOADES</b>		

**\*\*\*FIELD DATA\*\*\***

SAMPLED BY :	<b>K ANDREWS</b>	AMBIENT TEMP.:	
SAMPLE PRES. :	<b>66</b>	GRAVITY :	
SAMPLE TEMP. :	<b>52</b>	VAPOR PRES. :	
COMMENTS :	<b>SPOT PROBE</b>		

<u>COMPONENTS</u>	<u>NORM. MOLE%</u>	<u>GPM @ 14.65</u>	<u>GPM @ 14.73</u>
HELIUM	0.10	-	-
HYDROGEN	0.01	-	-
OXYGEN/ARGON	0.04	-	-
NITROGEN	4.69	-	-
CO2	0.69	-	-
METHANE	92.19	-	-
ETHANE	1.56	0.415	0.417
PROPANE	0.49	0.134	0.135
ISOBUTANE	0.09	0.029	0.029
N-BUTANE	0.09	0.028	0.028
ISOPENTANE	0.03	0.011	0.011
N-PENTANE	0.02	0.007	0.007
HEXANES+	0.00	0.000	0.000
<b>TOTAL</b>	<b>100.00</b>	<b>0.625</b>	<b>0.628</b>

BTU @ 60 DEG F	<b>14.65</b>	<b>14.73</b>
GROSS DRY REAL =	<b>977.8</b>	<b>983.2</b>
GROSS WET REAL =	<b>960.7</b>	<b>966.1</b>

RELATIVE DENSITY ( AIR=1 @14.696 PSIA 60F) : **0.5966**

COMPRESSIBILITY FACTOR : **0.99800**

NOTE: REFERENCE GPA 2261(ASTM D1945), 2145, & 2172 CURRENT PUBLICATIONS

RECEIVED  
DEC 07 2005  
KCC WICHITA