

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

**RECEIVED**

**MAY 26 2004**

**KCC WICHITA**

Type Test:

- Open Flow  
 Deliverability

Test Date:  
12/09/03

API No. 15  
023-20393-0000

Company Priority Oil & Gas LLC		Lease Wieck		Well Number 1-6	
County Cheyenne	Location C-W/2 W/2 NE	Section 6	TWP 4 S	RNG (E/W) 40	Acres Attributed
Field Cherry Creek		Reservoir Beecher Island		Gas Gathering Connection Kinder-Morgan	
Completion Date 02/14/01		Plug Back Total Depth 1300		Packer Set at	
Casing Size 4.5 in	Weight 10.5	Internal Diameter 4.052	Set at 1341	Perforations 1149	To 1188
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 / <u>No</u>	
Producing Thru (Annulus / Tubing) casing		% Carbon Dioxide .653		% Nitrogen 3.876	
Vertical Depth(H)		Pressure Taps		Gas Gravity - G <sub>g</sub> .587 (Meter Run) (Prover) Size	

Pressure Buildup: Shut in 12/08 20 03 at 3:11 (AM) (PM) Taken \_\_\_\_\_ 20 \_\_\_\_ at \_\_\_\_\_ (AM) (PM)  
Well on Line: Started 12/09 20 03 at 3:25 (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 or 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>i</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In											
Flow	.375					116	130.4				

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (F <sub>c</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**

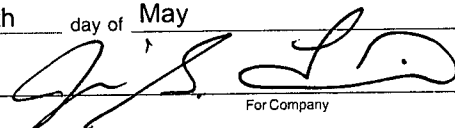
(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ ; P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>a</sub>)<sup>2</sup> = 0.207 ; (P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(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: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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 20th day of May, 20 04.

\_\_\_\_\_  
Witness (if any)

  
\_\_\_\_\_  
For Company

\_\_\_\_\_  
For Commission

\_\_\_\_\_  
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.

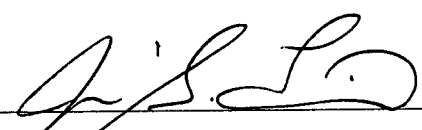
I hereby request a one-year exemption from open flow testing for the Wieck 1-6 gas well on the grounds that said well:

(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: 05/20/04

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.

PRECISION MEASUREMENT, INC.  
P.O.Box 3659  
745 North Circle Drive  
Casper, WY. 82602

2/14/2002 5:02 PM  
Phone: 307-237-9327  
800-624-7260  
Fax: 307-577-4139  
E Mail: pmi@trib.com

### GAS ANALYSIS REPORT

Analysis For: PRIORITY OIL & GAS  
Field Name:  
Well Name: 1-6 WEICK  
Station Number:  
Purpose:  
Sample Deg. F: 39  
Volume/Day:  
Formation:  
Line PSIG: 185  
Line PSIA:

Run No: 5491-4  
Date Run: 2/14/02  
Date Sampled: 2/11/02  
Producer:  
County:  
State:  
Sampled By: K. ANDREWS  
Atmos Deg. F:  
LOCATION : SEC. 6-4S-40W

#### GAS COMPONENTS

	MOL%	GPM
Carbon Dioxide C02:	0.653	
Nitrogen N2:	3.876	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	93.794	
Ethane C2:	1.242	0.331
Propane C3:	0.326	0.090
Iso-Butane IC4:	0.049	0.016
Nor-Butane NC4:	0.060	0.019
Iso-Pentane IC5:	0.000	0.000
Nor-Pentane NC5:	0.000	0.000
Hexane Plus C6+:	0.000	0.000
Totals	100.000	0.456

Pressure Base: 14.730  
Real BTU Dry: 985.234  
Real BTU Wet: 968.091  
Calc. Ideal Gravity: 0.587  
Calc. Real Gravity: 0.588  
Field Gravity:  
Standard Pressure: 14.696  
BTU Dry: 982.973  
BTU Wet: 965.870  
Z Factor: 0.998  
Avg Mol Weight: 17.001  
Avg CuFt/Gal: 60.010  
Ethane+ GPM: 0.456  
Propane+ GPM: 0.124  
Butane+ GPM: 0.035  
Pentane+ GPM: 0.000

Remarks:

RECEIVED  
1 FEB 25 2002  
KCC WICHITA

Analysis By: S.G. WALLACE  
Approved By: