

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

FORM G-2  
(Rev.8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 2/19/02

API No. 15-023-20397-0000

Company Priority Oil & Gas LLC		Lease Lampe		Well Number 2-30	
County Cheyenne	Location N/2-N/2-SW	Section 30	TWP 3s	RNG (E/W) 41w	Acres Attributed
Field Cherry Creek	Reservoir Niobrara	Gas Gathering Connection WILLIAMS			
Completion Date 7/19/01	Plug Back Total Depth 1613	Packer Set at			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1655	Perforations 1495	To 1525
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) casing	% Carbon Dioxide .458	% Nitrogen 3.772	Gas Gravity- Gg .584		
Vertical Depth (H) 1510	Pressure Taps Flange	Meter Run Size 2			
Pressure Buildup: Shut in	2/15/02 @ 1800	TAKEN	2/18/02 @ 845		
Well on Line: Started	2/18/02 @ 845	TAKEN	2/19/02 @ 830		

**OBSERVED SURFACE DATA**

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H <sub>2</sub> O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> )		Tubing WellHead Press. (P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> )		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						272	284			72.0	
Flow	.750	132.5	10.00	44		240	252				

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F <sub>g</sub>	FLOWING TEMP FACTOR F <sub>t</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcf/d	G <sub>m</sub>
2.779	145.0	38.08	1.3086	1.0157	1.0115	142	.584

**(OPEN FLOW)(DELIVERABILITY) CALCULATIONS**

(P<sub>c</sub>)<sup>2</sup> = 80.9      (P<sub>w</sub>)<sup>2</sup> = 63.8      P<sub>d</sub> = 46.6      % (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 17.56

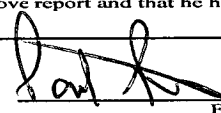
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
80.78	17.18	4.702	.6723	.627	.4215	2.640	375
63.38	17.18	3.690	.5670	.627	.3555	2.267	322

OPEN FLOW      375      Mcfd @ 14.65 psia      DELIVERABILITY      322      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 herein and that said report is true and correct. Executed this the 22 day of Feb, 20 02

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

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

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

\_\_\_\_\_  
Checked by

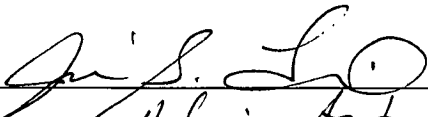
I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under rule K.A.R. 82-3-304 on behalf of the operator Priority Oil & Gas LLC and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Lampe 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 incapable of producing at a daily rate in excess of 150 mcf/D

Date: 2-26-07

Signature:   
Title: Admin. Asst.

**Instructions:**

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

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

2/22/2002 10:04 AM  
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: 2-30 LAMPE  
Station Number:  
Purpose:  
Sample Deg. F: 67  
Volume/Day:  
Formation: BEECHER ISLAND LIME  
Line PSIG: 149  
Line PSIA:

Run No: 5511-1  
Date Run: 2/21/02  
Date Sampled: 2/16/02  
Producer:  
County: CHEYENNE  
State:  
Sampled By: K. ANDREWS  
Atmos Deg. F:  
LOCATION : SEC. 30-3S-41W

#### GAS COMPONENTS

	MOL%	GPM
Carbon Dioxide C02:	0.458	
Nitrogen N2:	3.772	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	94.173	
Ethane C2:	1.158	0.309
Propane C3:	0.326	0.090
Iso-Butane IC4:	0.053	0.017
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	0.435

Pressure Base: 14.730  
Real BTU Dry: 987.712  
Real BTU Wet: 970.526  
Calc. Ideal Gravity: 0.584  
Calc. Real Gravity: 0.585  
Field Gravity:  
Standard Pressure: 14.696  
BTU Dry: 985.445  
BTU Wet: 968.299  
Z Factor: 0.998  
Avg Mol Weight: 16.924  
Avg CuFt/Gal: 59.994  
Ethane+ GPM: 0.435  
Propane+ GPM: 0.126  
Butane+ GPM: 0.036  
Pentane+ GPM: 0.000

Remarks:

Analysis By: S.G. WALLACE  
Approved By:

RECEIVED

MAR - 1 2002

KCC WICHITA