

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

FORM G-2  
(Rev. 8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 02/05/02

API No. 15-023-20381-0000

Company Priority Oil & Gas LLC		Lease Lauer Trust		Well Number 1-17	
County Cheyenne	Location NW SW NE	Section 17-4s-40w	TWP RNG (E/W)	Acres Attributed	
Field Cherry Creek	Reservoir Niobrara	Gas Gathering Connection Kinder-Morgan			
Completion Date 7-16-01	Plug Back Total Depth 1372	Packer Set at			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1413	Perforations 125.1	To 1286
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Frac	Type Fluid Production	Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) casing	% Carbon Dioxide .357	% Nitrogen 3.584	Gas Gravity- Gg .585		
Vertical Depth (H) 1268	Pressure Taps Flange	Meter Run Size 2			
Pressure Buildup: Shut in	02/01/02 800	TAKEN	02/4/02 8:30		
Well on Line: Started	02/4/02 830	TAKEN	02/05/02 9:50		

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**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						140	152			72.0	
Flow	.500	76.5	21.00	31		127	139			25.0	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G <sub>m</sub>
1.219	89.0	43.23	1.3074	1.0291	1.0077	71		.585

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

(P<sub>c</sub>)<sup>2</sup> = 23.3      (P<sub>w</sub>)<sup>2</sup> = 19.5      P<sub>d</sub> = 55.4      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 7.14

$(P_c)^2 - (P_a)^2$ 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
23.10	3.79	6.087	.7844	.838	.6573	4.543	324
16.12	3.79	4.247	.6281	.838	.5263	3.360	240

OPEN FLOW      324      Mcfd @ 14.65 psia      DELIVERABILITY      240      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 5 day of March, 20 02

\_\_\_\_\_  
Witness (if any)  
\_\_\_\_\_  
For Commission

*[Signature]*  
\_\_\_\_\_  
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 Lauer Trust 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: 3-18-02

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

2/5/2002 4:55 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: 1-17 LAUER TRUST  
Station Number:  
Purpose:  
Sample Deg. F: 11  
Volume/Day:  
Formation:  
Line PSIG: 105  
Line PSIA:

Run No: 5466-8  
Date Run: 2/4/02  
Date Sampled: 1/30/02  
Producer:  
County: CHEYENNE  
State:  
Sampled By: KEVIN ANDREWS  
Atmos Deg. F:  
LOCATION : SEC. 17-45-40W

GAS COMPONENTS  
MOL% GPM

Carbon Dioxide C02:	0.357	
Nitrogen N2:	3.584	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	94.276	
Ethane C2:	1.247	0.333
Propane C3:	0.366	0.101
Iso-Butane IC4:	0.054	0.018
Nor-Butane NC4:	0.057	0.018
Iso-Pentane IC5:	0.000	0.000
Nor-Pentane NC5:	0.000	0.000
Hexane Plus C6+:	0.058	0.025
Totals	100.000	0.494

Pressure Base: 14.730  
Real BTU Dry: 994.204  
Real BTU Wet: 976.905  
Calc. Ideal Gravity: 0.585  
Calc. Real Gravity: 0.586  
Field Gravity:  
Standard Pressure: 14.696  
BTU Dry: 991.922  
BTU Wet: 974.663  
Z Factor: 0.998  
Avg Mol Weight: 16.941  
Avg CuFt/Gal: 59.885  
Ethane+ GPM: 0.494  
Propane+ GPM: 0.161  
Butane+ GPM: 0.061  
Pentane+ GPM: 0.025

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Remarks:

Analysis By: S.G. WALLACE  
Approved By: