

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

FORM G-2  
(Rev. 8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 2/9/02 API No. 15-023-20385-0000

Company Priority Oil & Gas LLC		Lease St. Francis Feedy			Well Number 1-7	
County Cheyenne	Location NW SE NE	Section 7-4s-40w	TWP	RNG (E/W)	Acres Attributed	
Field Dent Field	Reservoir Niobrara	Gas Gathering Connection Kinder-Morgan				
Completion Date 2/10/01	Plug Back Total Depth 1328	Packer Set at				
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1373	Perforations 1146	To 1188	
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 .448	% Nitrogen 3.607	Gas Gravity- Gg .584			
Vertical Depth (H) 1167	Pressure Taps Flange	Meter Run Size 2				
Pressure Buildup: Shut in	2/6/02@1:00p.m.	TAKEN	2/08/02@1:45p.m.			
Well on Line: Started	2/08/02@1:45p.m.	TAKEN	2/09/02@1:10p.m.			

**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						208	220			72.0	
Flow	.750	98.5	19.00	26		167	179			23.5	

**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>
2.779	111.0	45.92	1.3086	1.0344	1.0099	174		.584

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

(P<sub>c</sub>)<sup>2</sup> = 48.6      (P<sub>w</sub>)<sup>2</sup> = 32.2      P<sub>d</sub> = 44.7      % (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 9.70

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{[(P_c)^2 - (P_a)^2] \text{ or } [(P_c)^2 - (P_d)^2]}{[(P_c)^2 - (P_w)^2]}$	LOG	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
48.46	16.39	2.956	.4707	.996	.4688	2.943	513
38.92	16.39	2.374	.3754	.996	.3739	2.366	412

OPEN FLOW      513      Mcfd @ 14.65 psia      DELIVERABILITY      412      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 12 day of Feb, 20 02

Witness (if any)

For Company

For Commission

Checked by

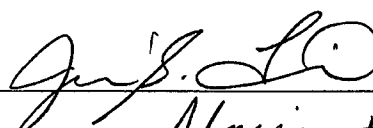
I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under rule K.A.R. 82-3-304 on behalf of the operator Priority Oil & Gas LLC and that the foregoing information and statements contained on this application form are true and correct 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 St. Francis Feedy 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: 2-19-02

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

2/11/2002 6:41 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: 1-7 ST. FRANCIS FEEDYARD  
Station Number:  
Purpose:  
Sample Deg. F: 32  
Volume/Day:  
Formation:  
Line PSIG: 144  
Line PSIA:

Run No: 5481-6  
Date Run: 2/11/02  
Date Sampled: 2/5/02  
Producer:  
County:  
State:  
Sampled By: K. ANDREWS  
Atmos Deg. F:  
**LOCATION : SEC. 7-4S-40W**

#### GAS COMPONENTS

	MOL%	GPM
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Carbon Dioxide C02:	0.448	
Nitrogen N2:	3.607	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	94.286	
Ethane C2:	1.198	0.320
Propane C3:	0.346	0.095
Iso-Butane IC4:	0.056	0.018
Nor-Butane NC4:	0.059	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	0.451

Pressure Base: 14.730  
Real BTU Dry: 990.140  
Real BTU Wet: 972.912  
Calc. Ideal Gravity: 0.584  
Calc. Real Gravity: 0.585  
Field Gravity:  
Standard Pressure: 14.696  
BTU Dry: 987.868  
BTU Wet: 970.679  
Z Factor: 0.998  
Avg Mol Weight: 16.913  
Avg CuFt/Gal: 59.928  
Ethane+ GPM: 0.451  
Propane+ GPM: 0.132  
Butane+ GPM: 0.037  
Pentane+ GPM: 0.000

RECEIVED

FEB 25 2002

KCC WICHITA

Remarks:

Analysis By: S.G. WALLACE  
Approved By: