

**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. 15-023-20408-0000

Company Priority Oil & Gas LLC		Lease Harkins			Well Number 1-10	
County Cheyenne		Location w/2sw/4sw/4		Section TWP RNG (E/W) 10 4s 40w		Acres Attributed
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Kinder Morgan		
Completion Date 7/16/01		Plug Back Total Depth 1371		Packer Set at		
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1413	Perforations 1243	To 1278	
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 .725		% Nitrogen 3.675		Gas Gravity- Gg .589
Vertical Depth (H) 1255		Pressure Taps Flange		Meter Run Size 2		
Pressure Buildup: Shut in		02/1/02 1300		TAKEN		02/04/02 1350
Well on Line: Started		02/04/02 1350		TAKEN		02/05/02 1140

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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						155	167			72.0	
Flow	.375	87.5	4.00	34		91	103			22.0	

**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>
.686	100.0	20.00	1.3030	1.0260	1.0085	18		.589

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

(P<sub>c</sub>)<sup>2</sup> = 28.1      (P<sub>w</sub>)<sup>2</sup> = 10.7      P<sub>d</sub> = 59.7      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 10.00

$(P_c)^2 - (P_a)^2$ 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
27.90	17.34	1.609	.2065	.686	.1416	1.386	25
18.06	17.34	1.041	.0175	.686	.0120	1.028	19

OPEN FLOW 25 Mcfd @ 14.65 psia      DELIVERABILITY 19 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 6 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

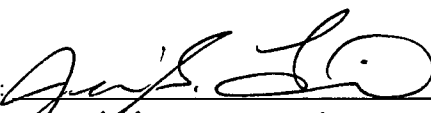
and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Harkins 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: 2-18-02

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: 1-10 HARKINS  
Station Number:  
Purpose:  
Sample Deg. F: 31  
Volume/Day:  
Formation:  
Line PSIG: 102  
Line PSIA:

Run No: 5466-4  
Date Run: 2/4/02  
Date Sampled: 1/30/02  
Producer:  
County:  
State:  
Sampled By: KEVIN ANDREWS  
Atmos Deg. F:  
**LOCATION: SEC. 10 - 4 S - 40 W**

#### GAS COMPONENTS

	MOL%	GPM
Carbon Dioxide C02:	0.725	
Nitrogen N2:	3.675	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	93.713	
Ethane C2:	1.318	0.352
Propane C3:	0.409	0.112
Iso-Butane IC4:	0.066	0.022
Nor-Butane NC4:	0.069	0.022
Iso-Pentane IC5:	0.000	0.000
Nor-Pentane NC5:	0.000	0.000
Hexane Plus C6+:	0.025	0.011
Totals	100.000	0.518

Pressure Base: 14.730  
Real BTU Dry: 989.957  
Real BTU Wet: 972.732  
Calc. Ideal Gravity: 0.589  
Calc. Real Gravity: 0.590  
Field Gravity:  
Standard Pressure: 14.696  
BTU Dry: 987.686  
BTU Wet: 970.500  
Z Factor: 0.998  
Avg Mol Weight: 17.061  
Avg CuFt/Gal: 59.894  
Ethane+ GPM: 0.518  
Propane+ GPM: 0.166  
Butane+ GPM: 0.054  
Pentane+ GPM: 0.011

Remarks:

Analysis By: S.G. WALLACE  
Approved By:

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**FEB 22 2002**

**KCC WICHITA**