KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 3-13-02

API No. 15-023-20425-0000

Company	Lease	Well Number
Priority Oil & Gas LLC	Hilt	2-11

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Cheyenne	SW/NW/NW	11	3s	42w	

Field	Reservoir	Gas Gathering Connection
Cherry Creek	Niobrara	Williams

Completion Date	Plug Back Total Depth	Packer Set at
7/14/01	1614	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.500	10.500	4.052	1655	1491	1521

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
NONE					

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
		No

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
Casing	.452	3.716	.584

Vertical Depth (H)	Pressure Taps	Meter Run Size
1506	Flange	2

Pressure Buildup: Shut in	3/9/02 @ 1300	TAKEN	3/12/02 @ 1300
Well on Line: Started	3/12/02 @ 1300	TAKEN	3/13/02 @ 1300

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H_2O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P_w) (P_t) (P_c) psig	Casing WellHead Press. psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing WellHead Press. psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						244	256			72.0	
Flow	.500	154.0	8.00	52		231	243			24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F_b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G_m
1.219	166.5	36.50	1.3086	1.0078	1.0126	59		.584

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 65.8 $(Pw)^2$ = 59.3 Pd = 60.0 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 23.72

$(P_c)^2 - (P_a)^2$ 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 Mcfd
65.64	6.50	10.099	1.0043	.500	.5021	3.178	188
42.08	6.50	6.474	.8112	.500	.4056	2.544	151

OPEN FLOW 188 Mcfd @ 14.65 psia DELIVERABILITY 151 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 18 day of March, 20 02

RECEIVED
MAR 29 2002
KCC WICHITA

Witness (if any)

For Company

For Commission

Checked by

Form G-2
Rev.8/98

I declare under penelty 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 Hilt 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 vacum at the present time; KCC approval Docket No. _____
- ☒ is incapable of producing at a daily rate in exess of 150 mcf/D

Date: 3/25/02

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.