

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

FORM G-2  
(Rev.8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 3-12-03 API No. 15-023-20417-0000

Company Priority Oil & Gas LLC		Lease Rueb			Well Number 1-23	
County Cheyenne	Location NW/SE/SE	Section 23	TWP 3s	RNG (E/W) 42W	Acres Attributed	
Field Cherry Creek	Reservoir Niobrara	Gas Gathering Connection Williams				
Completion Date 6/23/01	Plug Back Total Depth 1492	Packer Set at				
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1534	Perforations 1398	To 1428	
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 .378	<b>RECEIVED</b> <b>APR 07 2003</b>		% Nitrogen 3.737	Gas Gravity- Gg .584	
Vertical Depth (H) 1413	Pressure Taps flange	<b>KCC WICHITA</b>			Meter Run Size 2	
Pressure Buildup: Shut in		TAKEN	3-11-03			
Well on Line: Started	3-11-03	TAKEN	3-12-03			

**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						145	157			72.0	
Flow	.750	107.0	54.00	67		120	132			24.0	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>d</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	GOR	G <sub>m</sub>
2.779	119.5	80.33	1.3086	.9933	1.0082	292		.584

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

(P<sub>c</sub>)<sup>2</sup> = 24.8      (P<sub>w</sub>)<sup>2</sup> = 17.6      P<sub>d</sub> = 95.6      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 22.65

$(P_c)^2 - (P_a)^2$ 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
24.65	7.23	3.407	.5324	.825	.4392	2.749	804
2.16	7.23	.298		.825		.368	107

OPEN FLOW      804      Mcfd @ 14.65 psia      DELIVERABILITY      107      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 4 day of April, 2003

Witness (if any)

For Company

For Commission

Checked by