

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 12/3/03

API No. 15-023-20450-0000

Company Priority Oil & Gas LLC		Lease Briggs-Vincent			Well Number 5-23	
County Cheyenne	Location NE/NW/NW	Section 23-3s-42w	TWP RNG(E/W)	Acres Attributed		
Field Niobrara	Reservoir Niobrara	Gas Gathering Connection Williams				RECEIVED DEC 05 2003 KCC WICHITA
Completion Date 1/14/03	Plug Back Total Depth 1616	Packer Set at				
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 1665	Perforations 1457	To 1501	
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To	
Type Completion (Describe) Frac	Type Fluid Production	Pump Unit or Traveling Plunger?				
Producing Thru(Annulus/Tubing) casing	% Carbon Dioxide .260	% Nitrogen 3.850	Gas Gravity- Gg .584			
Vertical Depth (H) 1479	Pressure Taps Flange	Meter Run Size 2.067				
Pressure Buildup: Shut in	11-28-03 @ 18:00	TAKEN	12-2-03 @ 10:45			
Well on Line: Started	12-2-03 @ 10:45	TAKEN	12-3-03 @ 09:50			

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						205	219			88.0	
Flow	.625	59.9	43.80	56		102	116			24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
1.914	74.3	57.05	1.3086	1.0039	1.0054	144		.584

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 48.1$ $(P_w)^2 = 13.6$ $P_d = 42.0$ % $(P_c - 14.4) + 14.4 =$ $(P_a)^2 = 0.207$
 $(P_d)^2 = 8.48$

$(P_c)^2 - (P_a)^2$ 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
47.93	34.58	1.386	.1417	.911	.1291	1.346	194
39.65	34.58	1.147	.0594	.911	.0541	1.133	163

OPEN FLOW 194 Mcfd @ 14.65 psia DELIVERABILITY 163 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 Dec, 2003

Witness (if any)

For Company

For Commission

Checked by