

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
 (Rev.8/98)

TYPE TEST:

☒ Open Flow
☒ Deliverability

TEST DATE: 4-27-1999 API No. 15-129-21572-0000

Company Bonneville Fuels Corp		Lease Warring Trust		Well Number 2	
County Morton	Location se sw nw	Section 3	TWP 32s	RNG(E/W) 40w	Acres Attributed 320
Field Kinsler	Reservoir WabaunseeTopeka	Gas Gathering Connection Amoco			
Completion Date 12-22-98	Plug Back Total Depth 3270	Packer Set at			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 3367	Perforations 2864	To 3058
Tubing Size 2.370	Weight 4.700	Internal Diameter 1.995	Set at 3166	Perforations 3136	To 3146
Type Completion (Describe) Flowing Gas Well	Type Fluid Production water	Pump Unit or Traveling Plunger? no			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide .170	% Nitrogen 29.878		Gas Gravity- Gg .848	
Vertical Depth (ft) 3005	Pressure Taps flange	Meter Run Size 3"			
Pressure Buildup: Shut in	4-23-1999@8:00am	TAKEN	4-26-1999@9:00am		
Well on Line: Started	4-26-1999@9:00am	TAKEN	4-27-1999@1:30pm		

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						292	306	75	89	73.0	
Flow	1.500	24.6	24.20	61		232	246	184	198	28.0	2.5

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcfd	(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 Mcfd	GOR	G _m
11.410	39.0	30.72	1.0859	.9990	1.0038	381	178135.1	.870

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P _c) ² = 93.9	(P _w) ² = 60.7	12.7	%	(P _c - 14.4) + 14.4 =	(P _a) ² = 0.207	(P _d) ² = 1.52
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$ or LOG	Backpressure Curve Slope "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcfd
93.67	33.17	2.824	.4509	.812	.3661	886
92.36	33.17	2.785	.4448	.812	.3611	876

OPEN FLOW 886 Mcfd @ 14.65 psia DELIVERABILITY 876 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 27 day of April, 19 99

Witness (if any)

For Commission

For Company

Checked by