

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

FORM G-2
(Rev.8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 7/18/2001 API No. 15-047-21449

Company Bear Petroleum, Inc		Lease G. Britton			Well Number 1	
County Edwards		Location 130' S n/2 ne		Section TWP 8 26s 18w		RNG (E/W) Acres Attributed 320
Field Bordewick		Reservoir Winfield & Herr			Gas Gathering Connection OneOK	
Completion Date 5-22-01		Plug Back Total Depth 2782			Packer Set at	
Casing Size 4.500	Weight 10.500	Internal Diameter 4.090	Set at 4801	Perforations 2428	To 2438	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 2488	Perforations 2496	To 2506	
Type Completion (Describe) Perf & Acid		Type Fluid Production salt water			Pump Unit or Traveling Plunger? no	
Producing Thru (Annulus/Tubing) tubing		% Carbon Dioxide 2.490		% Nitrogen 14.060		Gas Gravity- Gg .659
Vertical Depth (ft) 2467		Pressure Taps flange			Meter Run Size 2.067	
Pressure Buildup: Shut in		2001/7/14 @ 1400		TAKEN		2001/7/17 @ 1900
Well on Line: Started		2001/7/17 @ 1900		TAKEN		2001/7/18 @ 2000

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						598	612	595	609	77.0	
Flow	1.000	152.9	9.10	84		520	534	395	409	25.0	1.7

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
5.073	167.3	39.02	1.2318	.9777	1.0103	240	150234	.687

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 375.0 (P_w)² = 285.6 P_d = 25.0 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 23.38

$(P_c)^2 - (P_a)^2$ 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
374.83	89.45	4.190	.6222	1.000	.6222	4.190	1009
351.66	89.45	3.931	.5945	1.000	.5945	3.931	946

OPEN FLOW 1009 Mcfd @ 14.65 psia DELIVERABILITY 946 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 _____ day of _____, 20 _____

Witness (if any)

For Company

For Commission

Checked by