

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:

- ☒ Open Flow
☒ Deliverability

TEST DATE: 11/13/2007 **API No.** 15-145-21515

Company Cambria Corporation		Lease Becker Trust		Well Number 1	
County Pawnee	Location 1320fml 1300fwl	Section 32	TWP 23s	RNG(E/W) 15w	Acres Attributed 160
Field Benson	Reservoir Shawnee	Gas Gathering Connection Lumen Midstream			
Completion Date 9/16/07	Plug Back Total Depth 3214	Packer Set at none			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.090	Set at 3228	Perforations 3107	To 3170
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at	Perforations	To
Type Completion (Describe) Perforate	Type Fluid Production None	Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.102	% Nitrogen 34.559	Gas Gravity- Gg 0.761		
Vertical Depth (ft) 3138	Pressure Taps flange	Meter Run Size 2.067			
Pressure Buildup: Shut in 11/9/2007@1100	TAKEN 11/12/2007@1530				
Well on Line: Started 11/12/2007@1530	TAKEN 11/13/2007@1615				

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						889	903	888	902	76.5	
Flow	1.250	84.9	35.00	83		800	814	783	797	24.7	

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
8.329	99.3	58.95	1.1463	0.9786	1.0059	554		0.761

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P _c) ² = 816.1		(P _w) ² = 663.2		P _d = 9.4		(P _c - 14.4) + 14.4 =		(P _a) ² = 0.207
								(P _d) ² = 7.22
(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 $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d	
815.92	152.88	5.337	0.7273	0.826	0.6007	3.988	2209	
808.92	152.88	5.291	0.7235	0.826	0.5976	3.960	2193	

OPEN FLOW 2209 **Mcf/d @ 14.65 psia** **DELIVERABILITY** 2193 **Mcf/d @ 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