

**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 11/12/2007	
COMPANY Cambria Corporation		LEASE Becker Trust	
		WELL NO. 1	
COUNTY Pawnee	LOCATION 1320fml 1300fwi	SECTION 32 23s 15w	ACRES 160
FIELD Benson	RESERVOIR Shawnee	PIPELINE CONNECTION Lumen Midstream	
COMPLETION DATE 9/16/07	PLUG BACK DEPTH 3214	PACKER SET AT none	
	TOTAL DEPTH 3170		
CASING SIZE 4.500	WT. 10.500	ID 4.090	SET AT 3228
			PERF. 3107
			TO 3170
TUBING SIZE 2.375	WT. 4.700	ID 1.995	SET AT
			PERF.
			TO
TYPE COMPLETION (Describe) Perforate		TYPE FLUID PRODUCTION None	
PRODUCING THRU (Annulus/Tubing) Tubing		RESERVOIR TEMPERATURE F 14.4 psia	
GAS GRAVITY - Gg 0.761	% CARBON DIOXIDE 0.102	% NITROGEN 34.559	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 3138	TYPE METER CONN. Flange		METER RUN SIZE 1.25
REMARKS			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN						889	903	888	902	76.50	
1.	1.250	79.10	19.90	76		855	869	852	866	1.00	
2.	1.250	90.30	54.20	75		823	837	812	826	1.00	
3.	1.250	102.00	92.80	72		785	799	753	767	1.00	
4.											

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times R_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	8.329	93.5	43.14	1.1464	0.9850	1.0058	408		0.761
2.	8.329	104.7	75.33	1.1464	0.9859	1.0065	713		0.761
3.	8.329	116.4	103.93	1.1464	0.9887	1.0074	988		0.761
4.									

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	866.4	903.4	869.4	816.1	755.9	60.3	408.0	96.2
2.	826.4	903.4	837.4	816.1	701.2	114.9	713.8	92.6
3.	767.4	903.4	799.4	816.1	639.0	177.1	988.4	88.3
4.								

INDICATED WELLHEAD OPEN FLOW

3532

Mcfd @ 14.65 psia

"n" = 0.826

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

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing
TEST DATE: 11/12/2007

Cambria Corporation
Becker Trust
32 23s 15w
Pawnee
Exponent n: 0.8256
AOI (MCF/Day): 3532.

,KS

