

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		TEST DATE: 6-30-03				
COMPANY BK Metals, Inc		LEASE Weishaar		WELL NO. 4-G		
COUNTY Sumner	LOCATION SW 1/4	SECTION 24 ³² 28 s 4w	TWP 4w	RNG	ACRES 240	
FIELD Love Field		RESERVOIR Stalnaker	PIPELINE CONNECTION Western Gas			
COMPLETION DATE 6-13-03		PLUG BACK DEPTH 3007	PACKER SET AT 2976			
CASING SIZE 5.500		WT. 15.500	ID 4.875	SET AT 3004	PERF. 3004	TO 3007
TUBING SIZE 2.300		WT. 4.500	ID 2.000	SET AT 2976	PERF.	TO
TYPE COMPLETION (Describe) Open Hole			TYPE FLUID PRODUCTION Gas			
PRODUCING THRU (Annulus/Tubing) Tubing			RESERVOIR TEMPERATURE F 100	BAR PRESS - Pa 14.4 psia		
GAS GRAVITY - G _g .674		% CARBON DIOXIDE .150	% NITROGEN 3.810		API GRAVITY OF LIQUID	
VERTICAL DEPTH (H) 3009		TYPE METER CONN. Flange		METER RUN SIZE 2.078		
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 PRD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN								1110	1124		
1.	.875	43.70	7.60	86				1065	1079	1.00	
2.	.875	47.40	49.50	96				1001	1015	1.00	
3.	.875	51.20	81.50	96				947	961	1.00	
4.	.875	56.60	132.00	95				892	906	1.00	

FLOW STREAM ATTRIBUTES

RATE NO.	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 _p	RATE OF FLOW Q Mcfd	GOR	G _m
1.	3.824	58.1	21.01	1.2181	.9759	1.0046	95		.674
2.	3.824	61.8	55.31	1.2181	.9671	1.0046	250		.674
3.	3.824	65.6	73.12	1.2181	.9671	1.0049	330		.674
4.	3.824	71.0	96.81	1.2181	.9680	1.0054	438		.674

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.	1079.4	1124.4	1079.5	1264.3	1165.2	99.0	96.0	96.0
2.	1015.4	1124.4	1015.8	1264.3	1031.8	232.5	250.3	90.2
3.	961.4	1124.4	962.1	1264.3	925.6	338.7	331.0	85.4
4.	906.4	1124.4	907.6	1264.3	823.8	440.5	438.8	80.5

INDICATED WELLHEAD OPEN FLOW

1089

Mcf @ 14.65 psia

"n" = .879

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 3 day of July, 2003

Witness (if any)

For Company

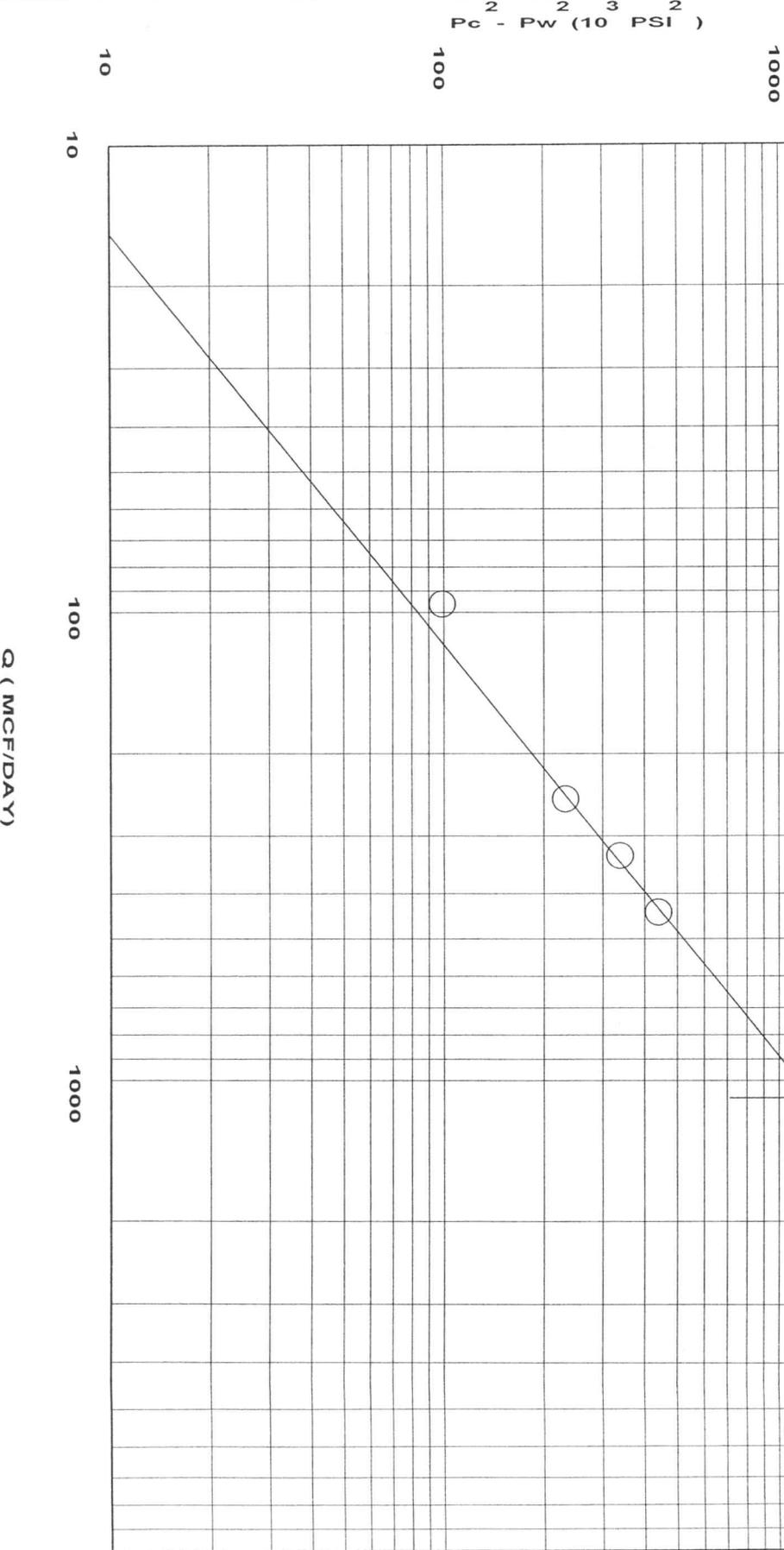
For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing
 TEST DATE: 6-30-03

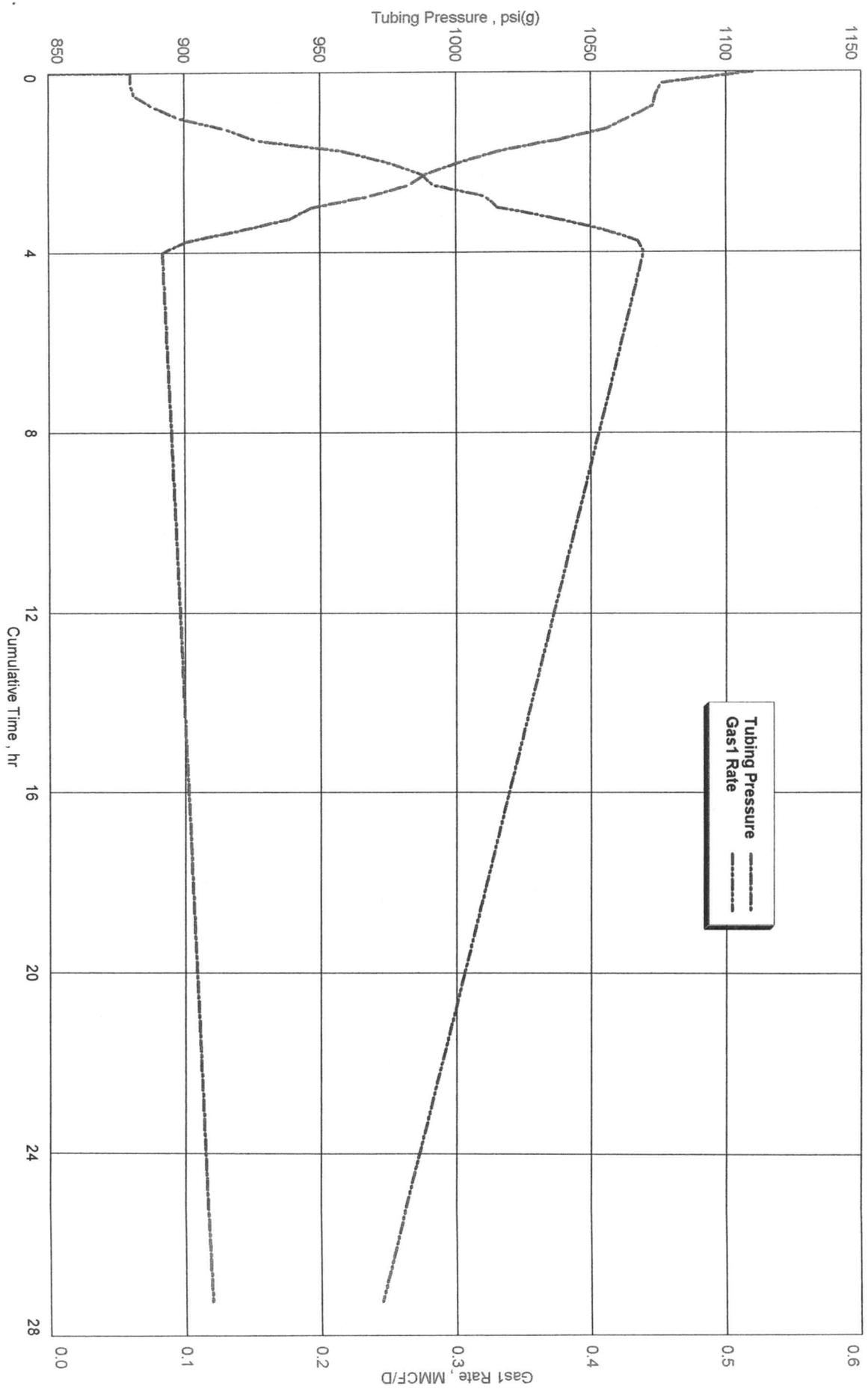
BK Metals, Inc
 Welshaar 4-G
 24 ~~35~~ 4w
 Summer
 Exponent n: 0.8786
 AOF: 1089.
 .KS.



BK Metals
24 32s 4w Summer co KS
Start Test Date: 2003/06/30
Final Test Date: 2003/07/01

Weishaar 4-G

Plot



BK Metals
 24 32s 4w Sumner co KS
 Start Test Date: 2003/06/30
 Final Test Date: 2003/07/01

FieldNotes

Field Measurements

Weishaar 4-G

Date	Clock	Time	Comments	Tubing		Static1		Diff1		Meter1		Gas1	Rate	Orifice1
				Pres	psi(g)	Pres	psi(g)	Pres	in of H2O	Temp	°F			
1	2003/06/30	12:45:00	Shutin											
2		12:45:00		1110.00		0.00		0.00		0.00		0.000		0.000
3		13:00:00		1076.00		42.00		3.10		83.00		0.060		0.875
4		13:15:00		1074.00		43.00		3.30		83.00		0.063		
5		13:30:00		1073.00		43.30		4.90		84.00		0.077		
6		13:45:00	1st point											
7		13:45:00		1065.00		43.70		7.60		86.00		0.095		
8		14:00:00		1056.00		44.30		14.00		88.00		0.130		
9		14:15:00		1038.00		45.00		19.40		91.00		0.154		
10		14:30:00		1016.00		46.40		38.00		94.00		0.217		
11		14:45:00	2nd point											
12		14:45:00		1001.00		47.40		49.50		96.00		0.250		
13		15:00:00		989.00		48.50		58.80		97.00		0.275		
14		15:15:00		983.00		49.30		61.60		97.00		0.283		
15		15:30:00		968.00		50.70		77.20		96.00		0.321		
16		15:45:00	3rd point											
17		15:45:00		947.00		51.20		81.50		96.00		0.331		
18		16:00:00		939.00		53.10		100.40		96.00		0.374		
19		16:15:00		921.00		55.00		117.00		96.00		0.410		
20		16:30:00		901.00		55.80		130.00		95.00		0.435		
21		16:45:00	4th point											
22		16:45:00		892.00		56.60		132.00		100.00		0.439		
23	2003/07/01	16:00:00	1 point											
24		16:00:00		910.00		76.00		32.80		100.00		0.245		

2003/06/30 12:45:00 To 2003/07/01 16:00:00
 Gas 0.039 Cum. 0.039 MMCF

