

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

Failed

FORM G-1
8-7-58

TYPE TEST:	<input checked="" type="checkbox"/> Initial	<input type="checkbox"/> Annual	<input type="checkbox"/> Special	TEST DATE:	1-25-2001							
COMPANY	American Warrior			LEASE	Young	WELL NO.	1-12					
COUNTY	Ness	LOCATION	800'FSL & 2500'	SECTION	12 18S 21W	TWP	RNG	ACRES	160			
FIELD	Pabst	RESERVOIR	Chase	PIPELINE CONNECTION								
COMPLETION DATE	9/26/00	PLUG BACK DEPTH	TOTAL DEPTH	2277	PACKER SET AT							
CASING SIZE	4.500	WT.	9.500	ID	4.090	SET AT	2283	PERF.	2180	TO	2240	
TUBING SIZE	2.375	WT.	4.700	ID	1.995	SET AT	2260	PERF.				
TYPE COMPLETION (Describe)	Perforated			TYPE FLUID PRODUCTION								
PRODUCING THRU (Annulus/Tubing)	annulus			RESERVOIR TEMPERATURE F					BAR PRESS - Pa			
				90				14.4 psia				
GAS GRAVITY - Gg	.762	% CARBON DIOXIDE	.294	% NITROGEN	50.499			API GRAVITY OF LIQUID				
VERTICAL DEPTH (H)	2210			TYPE METER CONN.				PROVER SIZE				
								2"				
REMARKS	4pt failed											

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(PROVER) 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						618	632				
1.	.375	13.00		32		581	595			.50	
2.	.375	21.00		32		551	565			.50	
3.	.375	24.00		34		518	532			.50	
4.											

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _p) Mcfd	(PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Epv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	2.440	27.4	27.40	1.1456	1.0281	1.0010	78		.762
2.	2.440	35.4	35.40	1.1456	1.0281	1.0016	101		.762
3.	2.440	38.4	38.40	1.1456	1.0260	1.0018	110		.762
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.	595.4	632.4	595.4	399.9	354.5	45.4	78.8	94.0
2.	565.4	632.4	565.4	399.9	319.7	80.2	101.9	89.2
3.	532.4	632.4	532.4	399.9	283.5	116.5	110.3	83.8
4.		632.4		399.9		399.9		

INDICATED WELLHEAD OPEN FLOW

180

Mcfd @ 14.65 psia

"n" =

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 _____, 19 _____

Witness (if any)

For Company

For Commission

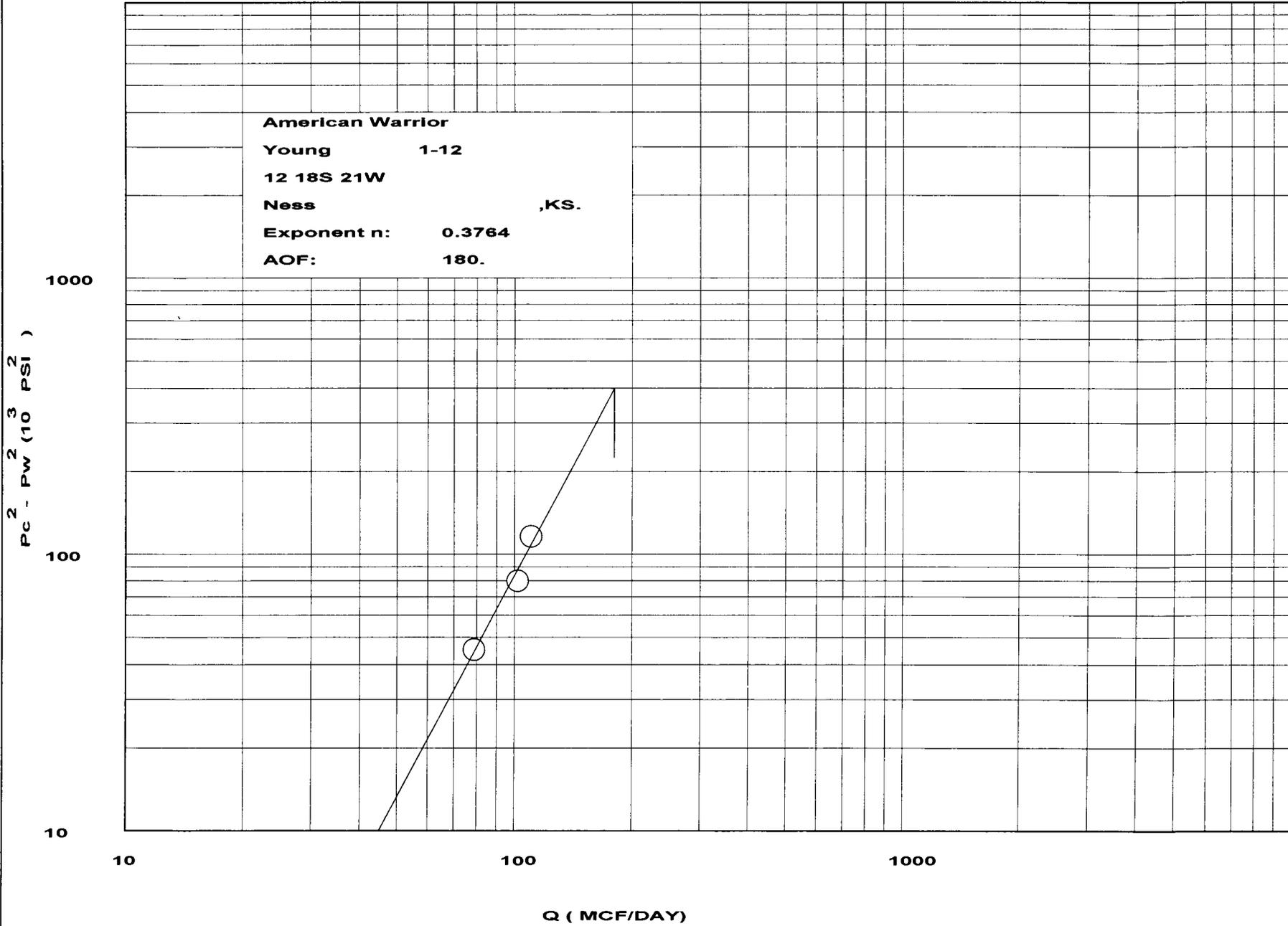
Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: 1-25-01 @ 9:20

TEST DATE: 1-25-2001

American Warrior
Young 1-12
12 18S 21W
Ness ,KS.
Exponent n: 0.3764
AOF: 180.

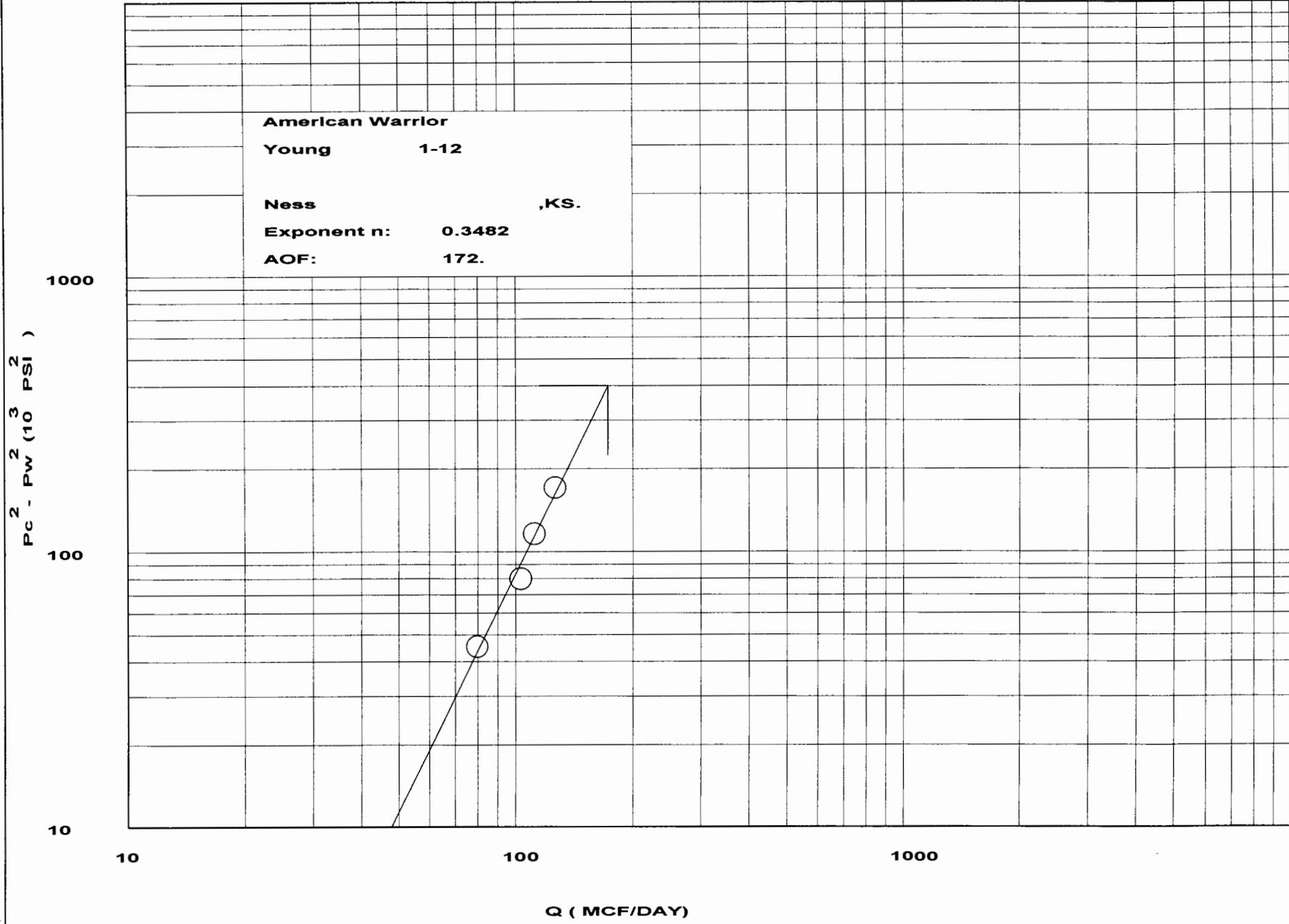


GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 1-25-2001

American Warrior
Young 1-12
Ness ,KS.
Exponent n: 0.3482
AOF: 172.



STATE OF KANSAS - CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM CG-1 Rev.

TEST TYPE	State	County	City	TEST DATE
COMPANY	LEASE	WELL NO.		
American Warrior, Inc.	Young	1-12		
COUNTY	LOCATION	SECTION	TWP	RANGE
Ness	800' FSL & 2500' FEL	12	18 S	21 W
ACRES	160			
API WELL NUMBER	RESERVOIR	PIPELINE CONNECTION		
K-135-24080	Chase			
COMPLETION DATE	FLUG BACK	PACKER SET AT		
September 26, 2000	TOTAL DEPTH 2277			
CASING SIZE	WT.	ID.	SET AT	FEET
4 1/2	9.5	4.090	2283	TO 2180-89, 2236-40
TUBING SIZE	WT.	ID.	SET AT	FEET
2 3/8	4.7	1.995	2260	TO
TYPE COMPLETION (Description)	TYPE FLUID PRODUCTION			
Perforated				
PRODUCING ZONE	RESERVOIR TEMPERATURE °F	BAR PRESS. P.		
		14.4 Pda		
GAS GRAVITY - G _g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID	
VERTICAL IMPROV. CO.	TYPE GELER CONNECTION	GELER SIZE (PROV.) SIZE		

REMARKS

OBSERVED DATA						CORRECTION OF MEASUREMENT			
RATE NO.	ORIFICE SIZE In.	GELER (PROV.) PRESSURE Pda	DIFF. (P ₁ - P ₂)	FLOWING TEMP. °F	WELL-HEAD TEMP. °F	CG WELL-HEAD PRESS. Pda (P ₁)(P ₂)	TIG WELL-HEAD PRESS. Pda (P ₁)(P ₂)	FLOW DURATION (HOURS)	LIQUID PROD. Bbl.
1									
2									
3									
4									
5									

RATE OF FLOW CALCULATIONS									
RATE NO.	COEFFICIENT (K)(P) Mda	GELER (PROV.) PRESSURE Pda	PRESS. EXCESSION $\sqrt{P_1 - P_2}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _d	RATE OF FLOW Q Mda	GOR (CYC)	G _g
1									
2									
3									
4									
5									

PRESSURE CALCULATIONS									
RATE NO.	P ₁ Pda	P ₂ Pda	P _{cg} Pda	(P ₁) ² THOUSANDS	(P ₂) ² THOUSANDS	FLOWING POINTS (P ₁ - P ₂) THOUSANDS		Q Mda	% SHUT-IN (P _{cg} - P ₂) / (P ₁ - P ₂)
1									
2									
3									
4									
5									

INDICATED WELL-HEAD OPEN FLOW Mda @ 14.4 Pda "w"

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 _____, 19____.

Witness (if any) _____ For Commission

_____ For Company

_____ Checked By (Rev. 10/96)