

**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

Inw 4124

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 1/24/2001	
COMPANY American Warrior		LEASE Seltman	
		WELL NO. #3	
COUNTY Ness	LOCATION	SECTION 24 18s 21w	ACRES 160
FIELD Pabst	RESERVOIR Chase	PIPELINE CONNECTION	
COMPLETION DATE		PLUG BACK DEPTH 2265	PACKER SET AT 2155
CASING SIZE 5.500		WT. 14.000	ID 5.012
TUBING SIZE 2.375		WT. 4.700	ID 1.995
TYPE COMPLETION (Describe) Frac		TYPE FLUID PRODUCTION water	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 90	BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .750		% CARBON DIOXIDE .018	% NITROGEN 48.237
VERTICAL DEPTH (H) 2208		TYPE METER CONN. PROVER SIZE 2"	
REMARKS well tied to disposal well no way to measure water production.			

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								602	616		
1.	.500	78.00		54				593	607	.50	
2.	.675	132.00		46				569	583	.50	
3.	.750	111.00		46				547	561	.50	
4.	.750	100.00		50				455	469		

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _P) Mcfd	(PROVER) 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 Q Mcfd	GOR	G _m
1.	4.390	92.4	92.40	1.1547	1.0058	1.0047	473		.750
2.	6.638	146.4	146.40	1.1547	1.0137	1.0078	1146		.750
3.	9.690	125.4	125.40	1.1547	1.0137	1.0067	1431		.750
4.	9.690	114.4	114.40	1.1547	1.0098	1.0059	1300		.750

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	(Pc) ² Thousands	(Pw) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(Pc) ² - (Pw) ² Thousands	Q Mcfd	
1.	607.4	616.4	609.4	379.9	371.3	8.6	473.3	98.8
2.	583.4	616.4	594.4	379.9	353.4	26.6	1146.4	96.4
3.	561.4	616.4	579.2	379.9	335.5	44.5	1431.9	93.8
4.	469.4	616.4	487.1	379.9	237.3	142.7	1300.2	78.5

INDICATED WELLHEAD OPEN FLOW

6876

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 6 day of Feb, 2001

Witness (if any)

For Company

For Commission

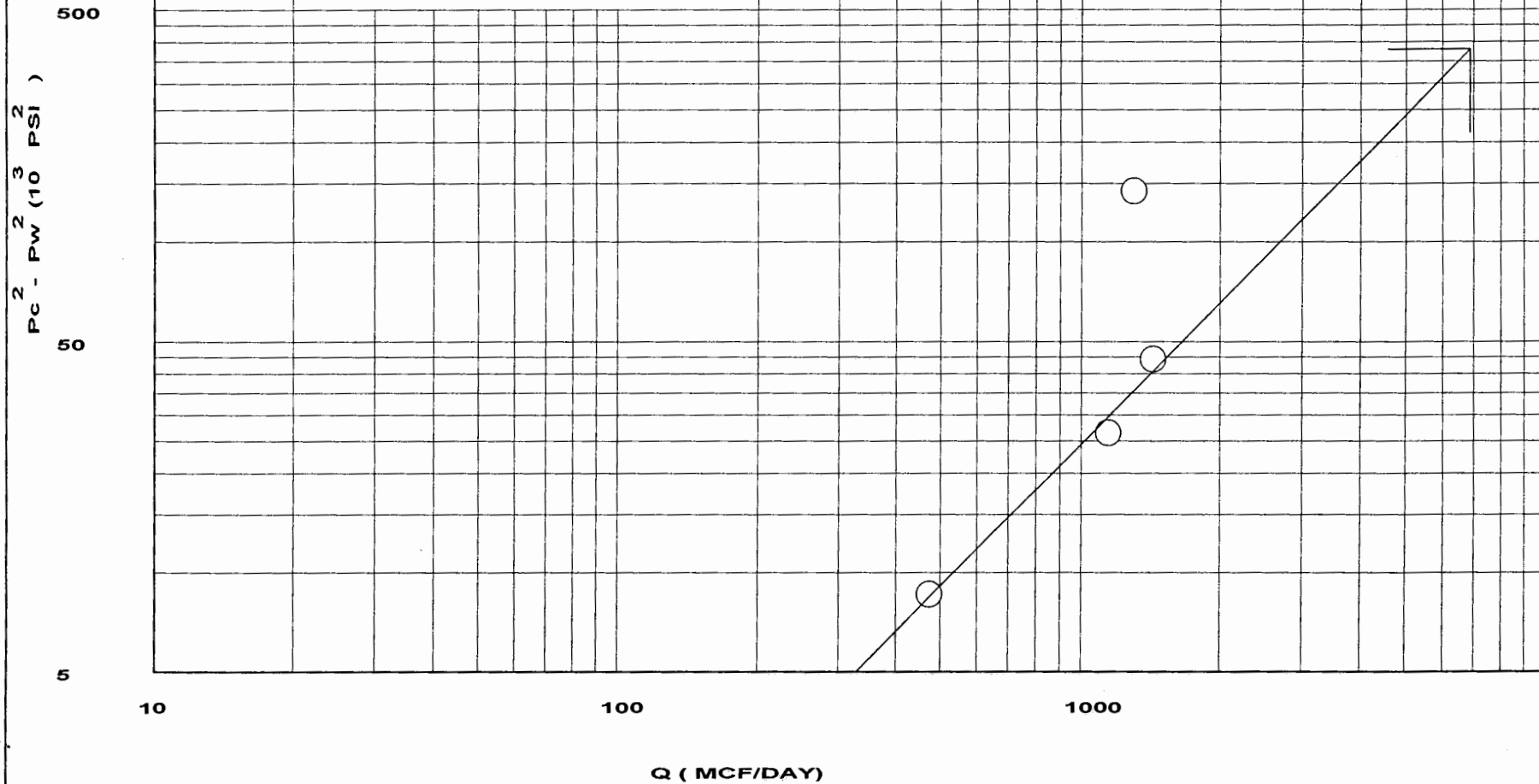
Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER:

TEST DATE: 1/24/2001

American Warrior
Seltman #3
24 18s 21w
Ness ,KS.
Exponent n: 0.7029
AOF: 6876.



STATE OF KANSAS - CORPORATION COMMISSION

FORM CG-1 Rev.

MULTI-POINT BACK PRESSURE TEST

TYPE TEST: Shut-in		Name: Seibman		TEST DATE:	
COMPANY: American Warrior Inc.		WELL NO: 3			
COUNTY: Ness	LOCATION: 170' S & 80' W NW NE NW	SECTION: 24	TWP: 18 S	RNG (R/W): 21 W	ACRES: 160
API WELL NUMBER: 19-135-24096		RESERVOIR: Chase		PAILING CONNECTION	
COMPLETION DATE: March 15, 2000		FLUID BACK TOTAL DEPTH: 2265		PACKER SET AT: 2155	
CANNING SIZE: 5 1/2	WT: 14	IS: 5.012	SET AT: 2265	FEET: 2188-92, 2224-	TO: 30
TUBING SIZE: 2 3/8	WT: 4.7	IS: 1.995	SET AT: 2155	FEET: TO	
TYPE COMPLETION (Casing): Perforated		TYPE FLOID PRODUCTION			
PRODUCING THRU		RESERVOIR TEMPERATURE °F		BAR PRESS. P, 14.4 Psa	
GAS GRAVITY - G _g		% CARBON DIOXIDE		% NITROGEN	
VERTICAL DEPTH (ft)		TYPE METER CONNECTION		(METER RUN) (PROVING SIZE)	
REMARKS					

OBSERVED DATA							DURATION OF SHUT-IN		FE
RATE NO.	ORIFICE SIZE in.	(METER) PROVED PRESSURE P _{sg}	DEPT. (ft) (ft)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CSD WELL-HEAD PRESS. P _{sg} (P ₁)(P ₂)(P ₃)	TSD WELL-HEAD PRESS. P _{sg} (P ₁)(P ₂)(P ₃)	FLOW DURATION (HOURS)	LIQUID PROD. BBL.
SHUT IN									
1									
2									
3									
4									
5									

BASE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (P ₁)(P ₂) Mcf	(METER) PROVED PRESSURE P _{sg}	PRESS. EXTENSION $\sqrt{P_1 - P_2}$	GRAVITY FACTOR F _g	FLOWING TEMP. F ₁	DEVIATION FACTOR F _d	RATE OF FLOW Q Mcf	GOR (cf/bbl)	Q _L
1									
2									
3									
4									
5									

PRESSURE CALCULATIONS

RATE NO.	P ₁ P _{sg}	P ₂ P _{sg}	P ₃ P _{sg}	Q ₁ THOUSANDS	Q ₂ THOUSANDS	FLOWING CORRECTION		Q SHUT-IN (P ₁ - P ₂) 100 (P ₁ - P ₂)
						Q ₁ - Q ₂ THOUSANDS	Q Mcf	
1								
2								
3								
4								
5								

INDICATED WELL-HEAD COR. FLOW

Mcf @ 14.4 Psa

T =

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 (Scribble)