

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 12/01/2001	
COMPANY Jack Exploration Inc.		LEASE Benson	
COUNTY Barber		WELL NO. 1-3	
LOCATION SW SW	SECTION 3	TWP 35s	RNG 14w
FIELD Aetna SE	RESERVOIR Mississippian	PIPELINE CONNECTION	
COMPLETION DATE	PLUG BACK DEPTH 4937	PACKER SET AT	
CASING SIZE 4.500	WT. 11.600	ID 4.000	SET AT 4973
TUBING SIZE 2.375	WT. 4.700	ID 1.995	SET AT 4841
TYPE COMPLETION (Describe) Frac		TYPE FLUID PRODUCTION	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 126	
GAS GRAVITY - Gg .687		% CARBON DIOXIDE 1.382	
VERTICAL DEPTH (H) 4870		% NITROGEN 13.481	
REMARKS		API GRAVITY OF LIQUID 2"	

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						1500	1514	1500	1514		
1.	.500	61.00		51		1468	1482	1465	1479	1.00	
2.	.750	57.00		78		1401	1415	1415	1429	1.00	
3.	.750	92.00		80		1175	1189	1170	1184	1.00	
4.	1.000	52.00		65		1050	1064	680	694	1.00	5.0

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 Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	4.388	75.4	75.40	1.2066	1.0088	1.0064	405		.687
2.	9.694	71.4	71.40	1.2066	.9831	1.0051	825		.687
3.	9.694	106.4	106.40	1.2066	.9813	1.0076	1230		.687
4.	17.530	66.4	66.40	1.2066	.9952	1.0052	1404	11707.6	1.012

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.	1479.4	1514.4	1482.4	2293.4	2197.5	95.9	405.3	97.9
2.	1429.4	1514.4	1415.4	2293.4	2003.4	290.1	825.2	93.4
3.	1184.4	1514.4	1189.4	2293.4	1414.7	878.7	1230.5	78.3
4.	694.4	1514.4	1064.4	2293.4	1132.9	1160.5	1404.9	70.0

INDICATED WELLHEAD OPEN FLOW

1980

Mcfd @ 14.65 psia

"n" = .500

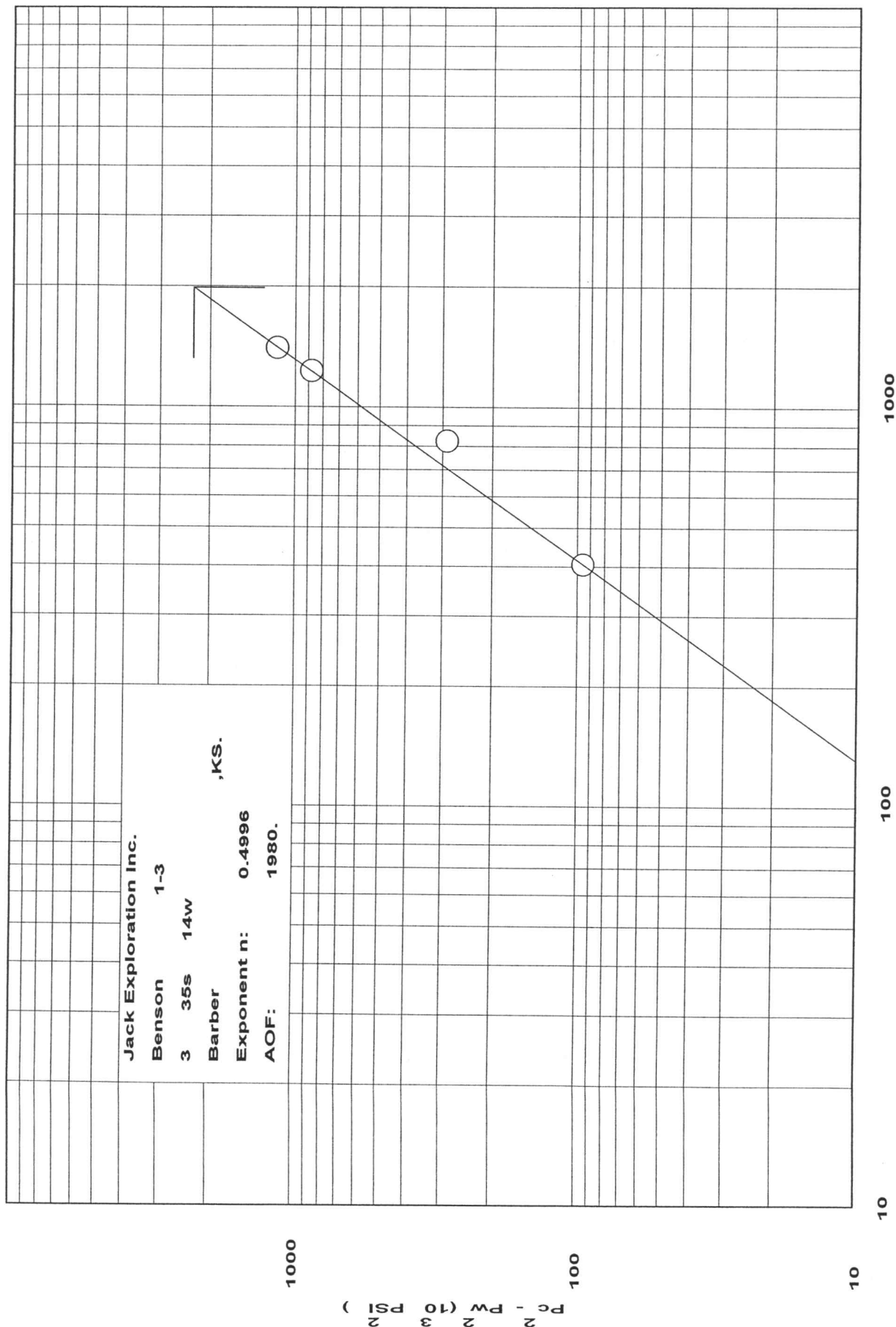
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 9 day of Dec, 2001

Witness (if any)

For Company

WELL TESTER: Trilobite Testing
TEST DATE: 12/01/2001

GAS WELL BACK PRESSURE CURVE



Jack Exploration Inc.

Benson 1-3

3 35s 14w

Barber ,KS.

Exponent n: 0.4996

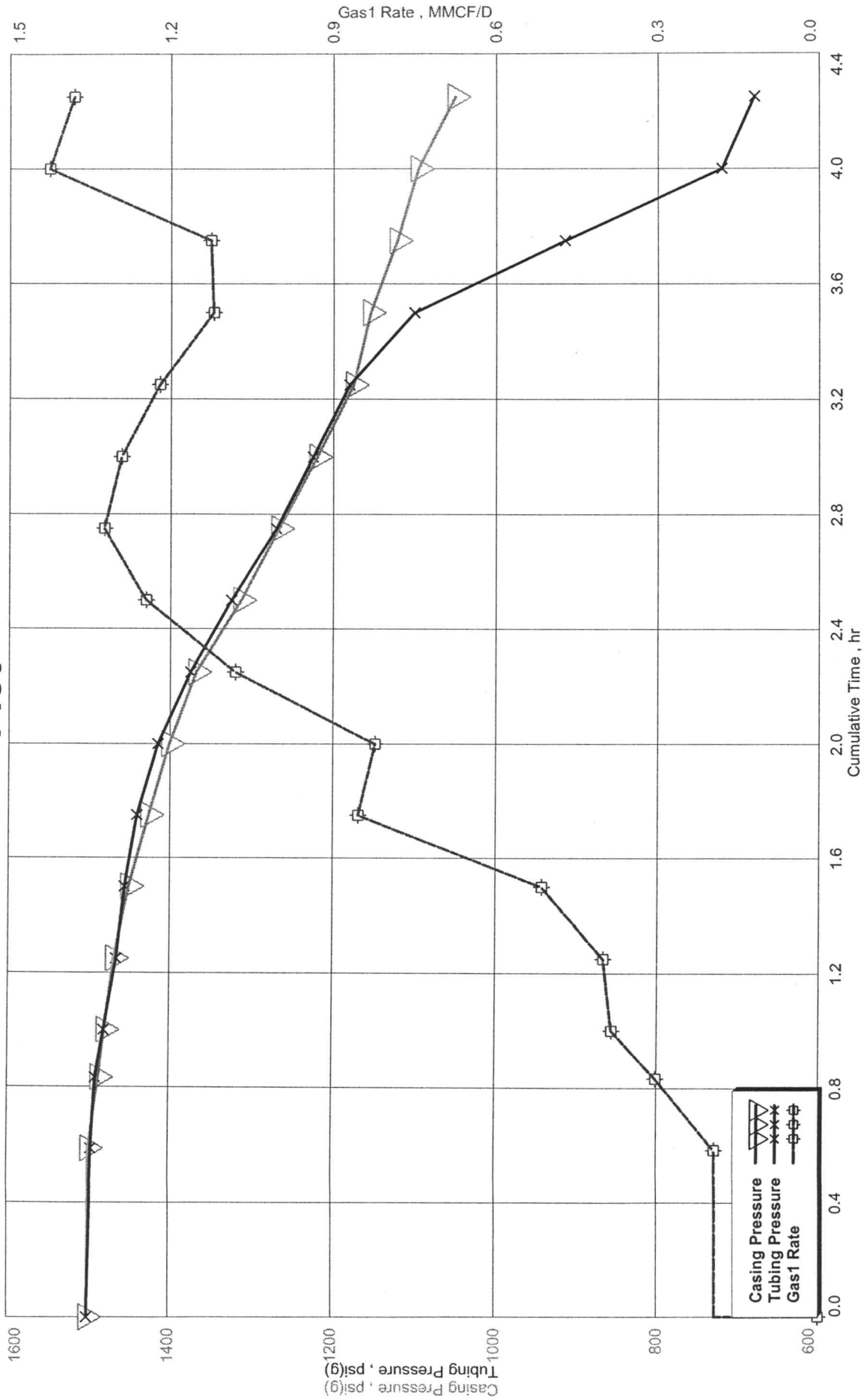
AOF: 1980.

Date	Clock	Time	Comments	Casing Pres	Tubing Pres	Static1 Pres	Meter1 Temp	Orifice1 in	Gas1 Rate
yyy/mm/dd	hh:mm:ss			psi(g)	psi(g)	psi(g)	°F		MMCF/D
1	2001/12/01	08:45:00	shutin						
2		08:45:00		1500.00	1500.00	0.00	0.00	0.000	0.000
3		09:20:00		1498.00	1495.00	23.00	53.00	0.500	0.192
4		09:35:00		1486.00	1490.00	43.00	53.00		0.302
5		09:45:00		1479.00	1480.00	58.00	49.00		0.384
6		10:00:00	1st pt						
7		10:00:00		1468.00	1465.00	61.00	51.00		0.399
8		10:15:00		1450.00	1455.00	30.00	51.00	0.750	0.514
9		10:30:00		1426.00	1440.00	59.00	58.00		0.853
10		10:45:00	2nd pt						
11		10:45:00		1401.00	1415.00	57.00	67.30		0.821
12		11:00:00		1368.00	1375.00	80.00	78.10		1.080
13		11:15:00		1313.00	1325.00	94.00	76.50		1.245
14		11:30:00		1267.00	1270.00	101.00	80.00		1.322
15		11:45:00		1220.00	1225.00	98.00	77.60		1.290
16		12:00:00	3rd pt						
17		12:00:00		1175.00	1180.00	92.00	77.70		1.220
18		12:15:00		1154.00	1100.00	40.00	71.00	1.000	1.121
19		12:30:00		1121.00	915.00	40.00	66.60		1.126
20		12:40:00	started making fluid						
21		12:45:00		1095.00	720.00	54.00	65.00		1.425
22		13:00:00	4th pt						
23		13:00:00		1050.00	680.00	52.00	67.50		1.379

Jack Exploration Inc.
 SW SW 3 35s 14w Barber KS
 Start Test Date: 2001/12/01
 Final Test Date: 2001/12/01

Benson 1-3

Plot



Casing Pressure
 Tubing Pressure
 Gas1 Rate