

FILE WORKING

MULTI-POINT BACK-PRESSURE TEST REPORT

Type Test: ☐ Initial ☐ Annual ☒ Special	Test Date 4-18-78	Lease No. or Serial No.
Company CO ₂ IN ACTION	Connection	Allottee
Field Santa Rosa	Reservoir Location	Unit
Completion Date	Total Depth 815 Plug Back TD (813 measured) Elevation	Form or Lease Name Gallager
Csg. Size 8 Wt. d Set At 780	Perforations: From 795 To 815	Well No. 1
Tbg. Size Wt. d Set At	Perforations: From To	Sec. 9 Twp. 21N Rge. 30E
Type Completion (Describe) Single (CO ₂)	Packer Set At	County or Parish Harding
Producing Thru CSG. 803	Reservoir Temp. F 80 @ 803	State New Mexico
Mean Ground Temp. F 74	Baro. Press. - P _a	
803 H ₂ O 1.520	% CO ₂ 100 % N ₂ % H ₂ S	Prover 2 Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow, Hr.
NO.	Prover XXXXXX Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
SI								38.8		72+
1.	2" x 1/4		37.7		60			37.7		3/4
2.	2" x 3/8		36.8		60			36.8		3/4
3.	2" x 1/2		34.1		60			34.1		3/4
4.	2" x 1		21.6		60			21.6		3/4
5.										

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F _t	Gravity Factor, F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	1.115		50.2	1.000	.8111	1.000	45
2.	2.439		49.3	1.000	.8111	1.000	98
3.	4.388		46.6	1.000	.8111	1.000	166
4.	17.53		34.1	1.000	.8111	1.000	483
5.							

NO.	P _r	Temp. R	T _r	Z
1.	.04	520	.95	1.000
2.	.04	520	.95	1.000
3.	.04	520	.95	1.000
4.	.04	520	.95	1.000
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl
 API Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas 1.520
 Specific Gravity Flowing Fluid
 Critical Pressure 1073 psia
 Critical Temperature 548 R

P_c 51.3 P_c² 2.632

P_i P_i²

NO.	P _i	P _i ²	P _c ² - P _i ²	P _w	P _w ²	P _c ² - P _w ²	P _s	P _s ²	P _i ² - P _s ²
1.				50.2	2.520	.112			
2.				49.3	2.430	.202			
3.				46.6	2.172	.460			
4.				34.1	1.163	1.469			
5.									

ADF 850 Mcfd
 n .933

REC'D. - AMARILLO

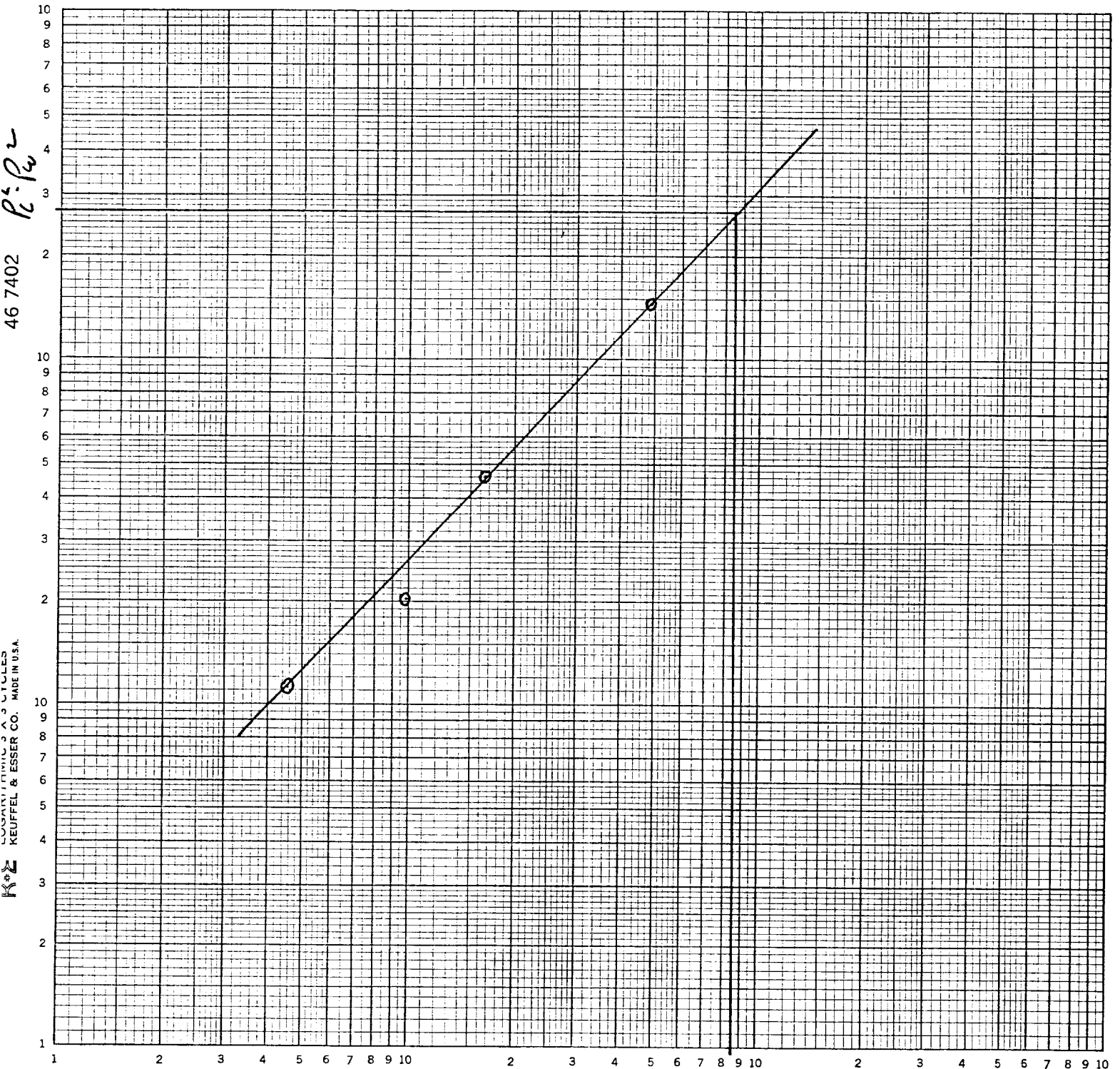
APR 20 1978

BAKER & TAYLOR

Commissioned By
 Company
 Others

Form BPT 5

OPERATOR: CO₂ IN ACTION
 LEASE: Gallagher
 WELL NO.: #1
 DATE: 4-18-78



REC'D. - AMARILLO - MCF/0

APR 20 1978

BAKER & TAYLOR

ADF - 850 MCF/0
 a - 47.0
 n - .933

~~SECRET~~

[illegible]

REC'D. - 'AMARTELLO' OF DATA BY

IV - 1

Form BPT 1

APR 20 1978

BAKER & TAYLOR