

MULTI-POINT BACK-PRESSURE TEST REPORT

CONSERVATION COMM.

Type Test:	☐ Initial	☐ Annual	☒ Special	Test Date	4-18-78	State	Santa Rosa	Case No. or Serial No.	
Company	CO ₂ IN Action			Connection					Allottee
Field	Santa Rosa			Reservoir	Location				Unit
Completion Date	894			Plug Back TD	(893 measured)				Elevation
Csg. Size	8-5/8	Wt.	d	Set At	859	Perforations: From	859-880	To	Well No.
Tbg. Size		Wt.	d	Set At		Perforations: From		To	Sec. 32 Twp. 21N Rge. 30E
Type Completion (Describe)	Single (CO ₂)				Packer Set At	County or Parish			
Producing Thru	CSG.				Reservoir Temp. F	80 @ 870	Mean Ground Temp. F	74	Baro. Press. - P _a
870	870	1.520	% CO ₂	100	% N ₂	% H ₂ S	Prover	Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow, Hr.	
NO.	Prover Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig		Temp. F
SI								37.4		12+
1.	2" x 1/8		37.3		60			37.3		3/4
2.	2" x 1/4		36.8		60			36.8		3/4
3.	2" x 3/8		35.6		60			35.6		3/4
4.	2" x 1		24.2		60			24.2		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		49.8	1.000	.8111	1.000	45
2.	2.439		49.3	1.000	.8111	1.000	98
3.	4.388		48.1	1.000	.8111	1.000	171
4.	17.53		36.7	1.000	.8111	1.000	522
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.	.03	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

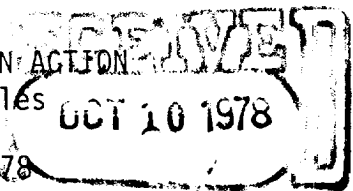
P_c 49.9 P_c² 2.490P_i _____ P_i² _____

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.				49.8	2.480	.010			
2.				49.3	2.430	.060			
3.				48.1	2.314	.176			
4.				36.7	1.347	1.143			
5.									

ADF 805
n .577 McfdREC'D. AMARILLO
APR 20 1978
RAKER & TAYLORCommission
Company
Others
McGLOTHLIN INC.

Form BPT 5

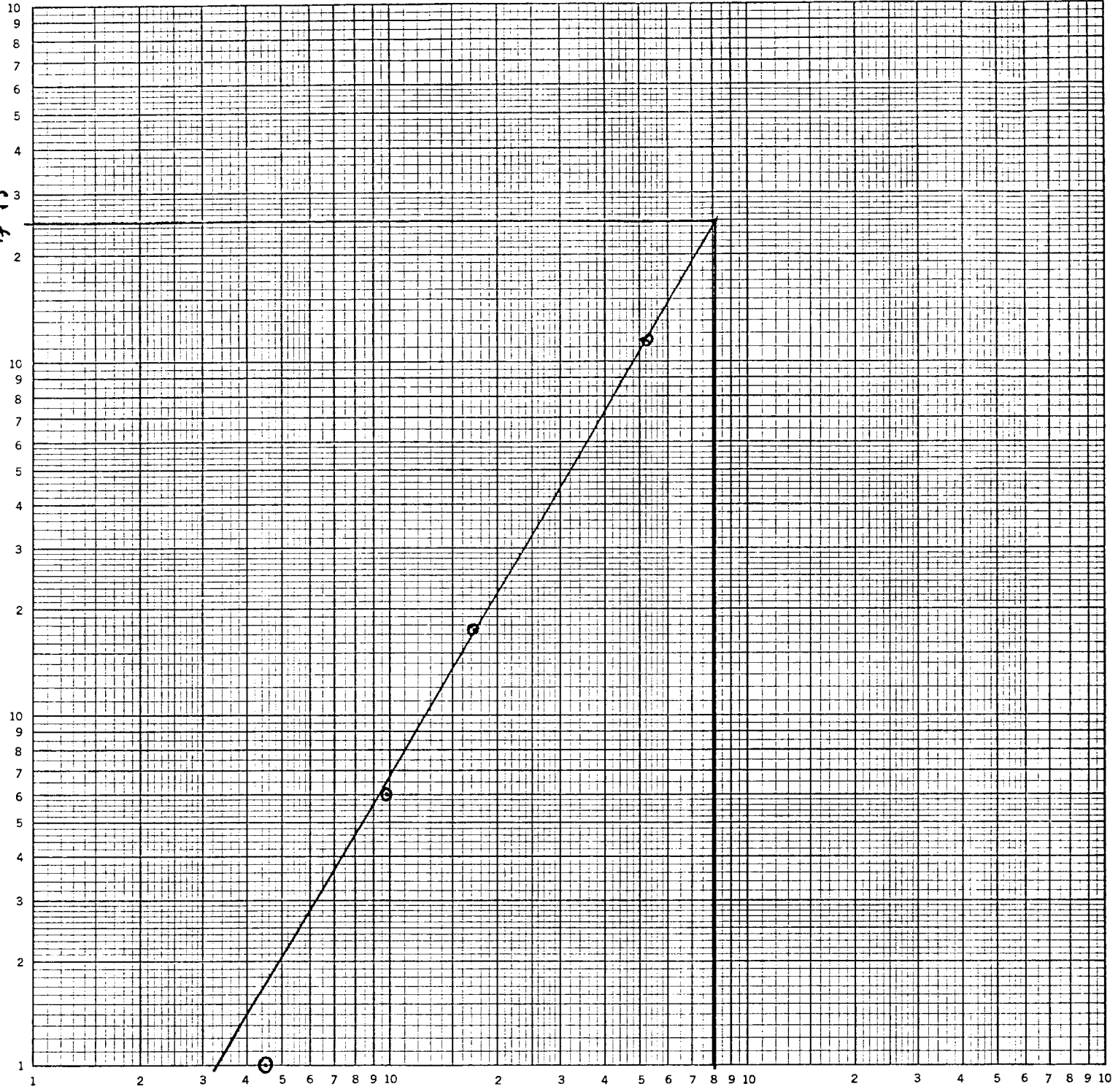
OPERATOR: CO₂ IN ACTION
 LEASE: Gonzales
 WELL NO.: A-1
 DATE: 4-18-78



- CONSERVATION COMM.

46 7402 P_{15}^2

LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$Q \rightarrow \text{MCF/D}$

AOF - 805 MCF/D
 b - 60.0
 n - .577

OCT 10 1973
 No. or Serial No.

OCT 10 1978

Type Test:	☐ Initial	☐ Annual	☒ Special	Test Date	4-18-78	Lease No. or Serial No.	2012
Company	CO ₂ In Action			Connection		Allottee	CONSERVATION COMM.
Field	Reservoir Serra Res.			Location		Unit	Santa Fe
Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name			
	894	893 measured		Gonzales			
Csg. Size	Wt.	d	Set At	Perforations: From	To	Well No.	
8 5/8			859	859 - 880			A-1
Tbg. Size	Wt.	d	Set At	Perforations: From	To	Sec.	Twp - Blk
						32	21N
Type Completion (Describe)				Packer Set At	Rge - Sur		
Single Co ₂					30E		
Producing Thru	Reservoir Temp. F	Mean Annual Temp. F	Baro. Press. - P _a	County or Parish			
C-9	@			Harding			
L	H	G ₉	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run
						210 WT	Taps

DATE	ELAP. TIME	WELLHEAD WORKING PRESSURE			METER OR PROVER				REMARKS
Time of Reading	hrs.	Tbg. Psig	Csg. Psig	Temp. F	Pressure Psig	Diff.	Temp. F	Orifice	(Include liquid production data: Type - API Gravity - Amount)
			37.4		Shut in Pressure				
			37.3	60	37.3			1/8"	1st Rate
			36.8	60	36.8			1/8"	2nd rate
			35.6	60	35.6			3/4"	3rd rate
			24.2	60	24.2			1"	4th rate
45 min Points									