

Sec 27

OCT 10 1978

FILE WORKING

MULTI-POINT BACK-PRESSURE TEST REPORT

Type Test: ☐ Initial ☐ Annual ☒ Special	Test Date: 4-17-78	Lease No. or Serial No.
Company: CO ₂ in Action	Connection	Allottee
Field: Santa Rosa	Location: Adams Plant	Unit
Completion Date	Total Depth: 972	Plug Back TD: (955 Measured)
Elevation	Form or Lease Name	State
Csg. Size: 10	Wt. d	Set At: 920
Perforations: From 920 To 965	Well No. #1	
Tbg. Size	Wt. d	Set At
Perforations: From To	Sec. 32	Twp. 21
	Rge. 30E	Sur
Type Completion (Describe): Single (CO ₂)	Packer Set At	County or Parish: Harding
Producing Thru CSG.	Reservoir Temp. F: 80 @ 945	Mean Ground Temp. F: 74
Baro. Press. - P _a : 12.5	State: New Mexico	
945 ^L	H ⁹⁴⁵	G ^{P.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 Line X Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
SI						36.3				72
1.	2"	x 1/8	35.7		60	35.7				3/4
2.	2"	x 1/4	33.9		60	33.9				3/4
3.	2"	x 3/8	30.7		60	30.7				3/4
4.	2"	x 1/2	26.5		60	26.5				3/4
5.										

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F _i	Gravity Factor, F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	.2716		48.2	1.000	.8111	1.000	11
2.	1.115		46.4	1.000	.8111	1.000	42
3.	2.439		43.2	1.000	.8111	1.000	85
4.	4.388		39.0	1.000	.8111	1.000	138
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 x x x x x x x x x
 Specific Gravity Flowing Fluid x x x x x x
 Critical Pressure 1073 psia
 Critical Temperature 548 R

P_c 48.8 P_c² 2.381P_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.				48.2	2.323	.058			
2.				46.4	2.153	.228			
3.				43.2	1.866	.515			
4.				39.0	1.521	.860			
5.									

ADF 360
 n .900

REC'D. - AMARILLO

APR 20 1978

BAKER & TAYLOR

Commission
 Company THURMOND-MCGLOTHLIN, INC.
 Others

Form BPT 5