

FILE WORKING

MULTI-POINT BACK-PRESSURE TEST REPORT

Type Test: ☐ Initial ☐ Annual ☒ Special						Test Date: 4-17-78		BHP at 834'	
Company: CO ₂ In Action						Connection: Adams Plant		Allottee:	
Field: Santa Rosa						Reservoir: Santa Rosa		Location:	
Completion Date:						Total Depth: 847' (844 measured)		Plug Back TD: Elevation:	
Csg. Size: 8-5/8						Wt. d: 819		Perforations: From 818 - 842 To	
Tbg. Size:						Wt. d:		Set At: Bomb @ 834	
Type Completion (Describe): Single (CO ₂)						Packer Set At:		Form of Lease Name: Minerals	
Producing Thru: CSG.						Reservoir Temp. F: 80 @ 834		Mean Ground Temp. F: 74	
						Baro. Press. - P: 12.5		State: New Mexico	
834						834		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 Line Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
SI								38.7		72+
1.	2"	x 1/8	38.3		60			38.3		3/4
2.	2"	x 1/4	37.1		60			37.1		3/4
3.	2"	x 3/8	35.6		60			35.6		3/4
4.	2"	x 1/2	34.0		60			34.0		3/4
5.	2"	x 3/4	29.7		60			29.7		3/4

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.	.2716		50.8	1.000	.8111	1.000	11
2.	1.115		49.6	1.000	.8111	1.000	45
3.	2.439		48.1	1.000	.8111	1.000	95
4.	4.388		46.5	1.000	.8111	1.000	165
5.	9.694		42.2	1.000	.8111	1.000	332

NO.	P _r	Temp. R	T _r	Z
1.	.05	520	.95	1.000
2.	.05	520	.95	1.000
3.	.04	520	.95	1.000
4.	.04	520*	.95	1.000
5.	.04	520	.95	1.000

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 51.2 P_c² 2.621

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.				50.8	2.580	.041			
2.				49.6	2.460	.161			
3.				48.1	2.313	.308			
4.				46.5	2.162	.459			
5.				42.2	1.781	.840			

AOF 1090 Mcfd
 n 1.000

REC'D. - AMARILLO

APR 20 1978

BAKER & TAYLOR

Commission
 Company THOMSON-MCGLOTHLIN, INC.
 Others

Form BPT 5