

Sec 27

OCT 10 1978

FILE WORKING

MULTI-POINT BACK-PRESSURE TEST REPORT

Type Test: <input type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special	Test Date: 4-17-78	Lease No. or Serial No.
Company: CO <sub>2</sub> In Action	Connection:	Allottee:
Field: Santa Rosa	Reservoir: Santa Rosa	Location: Adams Plant
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
Tbg. Size:	Wt.:	d:
Set At:	Perforations: From:	To:
Type Completion (Describe): Single (CO <sub>2</sub> )	Packer Set At:	County or Parish: Harding
Producing Thru CSG:	Reservoir Temp. F: 80 @ 945	Mean Ground Temp. F: 74
Baro. Press. - P <sub>a</sub> : 12.5	State: New Mexico	
945 <sup>L</sup>	H <sup>945</sup>	G <sup>P.520</sup>
% CO <sub>2</sub> : 100	% N <sub>2</sub> :	% H <sub>2</sub> S:
Prover: 2	Meter Run:	Taps:

NO.	FLOW DATA			TUBING DATA		CASING DATA		Duration of Flow, Hr.
	Prover Line Size	Choke Orifice Size	Press. psig	Diff. h <sub>w</sub>	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 <sub>m</sub>	Flow Temp. Factor, F <sub>1</sub>	Gravity Factor, F <sub>g</sub>	Super Compress. Factor F <sub>pv</sub>	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 <sub>r</sub>	Temp. R	T <sub>r</sub>	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 x  
 Specific Gravity Flowing Fluid x x x x x x  
 Critical Pressure 1073 psia  
 Critical Temperature 548 R

P<sub>c</sub> 48.8 P<sub>c</sub><sup>2</sup> 2.381

P<sub>f</sub> \_\_\_\_\_ P<sub>f</sub><sup>2</sup> \_\_\_\_\_

NO.	P <sub>i</sub>	P <sub>i</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	P <sub>s</sub>	P <sub>s</sub> <sup>2</sup>	P <sub>i</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>
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