

FILE WORKING
OCT 10 1978

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MULTI-POINT BACK-PRESSURE TEST REPORT

BHP at 834'

Type Test: Initial Annual Special Test Date: 4-17-78 Lease No. or Serial No.

Company: CO₂ In Action Connection: Adams Plant Allottee

Field: Santa Rosa Reservoir Location: Unit

Completion Date: Total Depth: 847' (844 measured) Plug Back TD: Elevation: Form of Lease Name: Minerals

Csg. Size: 8-5/8 Wt. d Set At: 819 Perforations: From 818 - 842 To Well No. #1

Tbg. Size Wt. d Set At Perforations: From Bomb @ 834 To Sec. 16 Twp - Blk 21N - Rge - Sur 30E

Type Completion (Describe): Single (CO₂) Packer Set At County or Parish: Harding State: New Mexico

Producing Thru CSG. Reservoir Temp. F: 80 @ 834 Mean Ground Temp. F: 74 Baro. Press. - P: 12.5

834 834 1.520 % CO₂ 100 % N₂ % H₂S 2 Prover Meter Run Taps

NO.	FLOW DATA			TUBING DATA		CASING DATA		Duration of Flow, Hr.	
	Prover Line Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F		Press. psig
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
 Specific Gravity Flowing Fluid x x x x x x x
 Critical Pressure 1073 psia
 Critical Temperature 548 R

P_c 51.2 P_c² 2.621 P_f _____ P_f² _____

NO.	P _f	P _f ²	P _c ² - P _f ²	P _w	P _w ²	P _c ² - P _w ²	P _s	P _s ²	P _f 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
 HAKER & TAYLOR

Commission
 Company THORNDON-MCGLOTHLIN, INC.
 Others