

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-29-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Bravo Dome Unit 140 Acre Area		Formation Tubb	
Completion Date 12/17/82		Total Depth 2505	
Plug Back TD 2482		Elevation 4815	
Csg. Size 7		Set At 2500	
Perforations: From 2190 To 2404		Well No. 2034 171A	
Tbg. Size 3.5		Set At 2345	
Perforations: From To		Unit Sec. Twp. Rge. A 17 20 34	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At 2131	
Producing Thru Tubing		Baro. Press. - P _a 12.2	
Reservoir Temp. °F 90 @ 2297		Mean Annual Temp. °F 50	
L 2297		H 2297	
Cg 1.529		% CO ₂ 100	
% N ₂ 0		% H ₂ S 0	
Prover 4.0		Meter Run 4.0	
Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prove Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							297			
1.	4.026 x	2.250		260	7	60	262	50		
2.	4.026 x	2.250		239	15	60	237	50		
3.	4.026 x	2.250		217	26	61	216	50		
4.	4.026 x	2.250		197	37	60	198	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							557
2							770
3							967
4							1107
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	0
2					Specific Gravity Separator Gas	1.529
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	1072
5					Critical Temperature	547

P _c	309.2	P _c ²	95.605
NO.	P _r	P _w	P _w ²
1		274.2	20.419
2		249.2	33.504
3		278.2	43.529
4		210.2	51.421
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.196$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1770$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.830$

Absolute Open Flow	1770	Mcf/d @ 15.025	Angle of Slope	.768
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By:		Checked By:
		D. R. White		