

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 9-17-85	
Company Amoco Production Company				Connection	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb	
Completion Date 12-12-83		Total Depth 2810		Elevation 4820	
Csg. Size 7	Wt. 20	d 2810	Set At 2810	Perforations: From 2468 To 2579	
Thq. Size 3.5	Wt. 9.3	d 2381	Set At 2381	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2381	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2524		Baro. Press. - P _a 12.2	
L 2524		H 2524		G _g 1.529	
% CO ₂ 100		% N ₂ 0		% H ₂ S 0	
Prover 4.0		Meter Run 4.0		Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _{vy}	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							320			
1.	4.026 x 1.375			181	49	62	181	50		
2.	"			198	38	62	198	"		
3.	"			245	21	59	245	"		
4.	"			260	12	60	260	"		
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							768
2							701
3							529
4							458
5							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 XXXXXXXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure 1072 P.S.I.A. P.S.I.A.
5					Critical Temperature 547 R R

P _c 332.2	P _c ² 110.357	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.51$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.36$
NO.	P _w ²	P _w	P _c ² - P _w ²
1	193.2		73.030
2	210.2		66.172
3	257.2		44.205
4	272.2		36.264
5			

Absolute Open. Flow 1044 Mcfd @ 15.025		Angle of Slope θ	Slope, n .74
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: