

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: 4-4-85	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome Carbon Dioxide				Formation:	
Unit: 640 acre area				Tubh: BDCDGI	
Completion Date: 1-17-84		Total Depth: 2719		Plug Back TD: 2700	
Elevation: 5080'		Farm or Lease Name:			
Csg. Size: 7	Wt.: 20	d:	Set At: 2719	Perforations: From 2484 To 2682	
Thq. Size: 3.5	Wt.: 9.3	d:	Set At: 2312	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2281	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2583		Mean Annual Temp. °F: 50	
Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2583	H: 2583	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 _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							310			
1.	4.026 x 1.25			230	51	60	242.2	50		
2.	4.026 x 1.25			250	26	56	262.2	50		
3.	4.026 x 1.25			270	16	57	282.2	50		
4.	4.026 x 1.25			294	4	54	306.2	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							664
2							505
3							350
4							225
5							

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

P _c 322.2 P _c ² 103.812		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.30$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.82$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1		242.2		45.152	
2		262.2		35.064	
3		282.2		24.176	
4		306.2		10.054	
5					

Absolute Open Flow 1209 Mcfd @ 15.025		Angle of Slope θ		Slope, n .72	
Remarks:					
Approved By Commission:					
Conducted By:		Calculated By: D. D. Kimble		Checked By:	