

NEW MEXICO OIL CONSERVATION COMMISSION Form C-122
 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Revised 9-1-63

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 8/21/97		API Number 30-021-20031					
Company Amoco Corporation			Connection Bravo Dome CO2 Plant			RTU Number 5202					
Pool N/A			Formation Tubb			Unit BDCDGU					
Completion Date 7/5/82		Total Depth 2325		Plug Back Depth 2286		Elevation 4519					
Csg. Size 4.5		Wt. 10.5	Csg. Inside Dia. 4.052	Set At 2325	Perforations From 2118 To 2240		Well Number 1930-361g				
Tbg. Size 2.375		Wt. 4.7	Tbg. Inside Dia. 1.99	Set At 2030	Perforations From n/a To n/a		Unit Sec. Twp. Rge. sec 36,T-19,R-30				
Type well -Single-Bradenhead-G.G. or G.O. Multiple Single				Packer Set At 2030		County Harding					
Producing Through Tubing		Reservoir Temp, F 95		Mean Annual Temp, F 60		Baro. Press. - PSIA 12.2					
Flow Channel, L 2286		Depth, H 2286	Gg 1.5192	%CO2 100	%N2 0	%H2S 0	Prover ORIFICE				
Meter Run 4 inch		Taps FLANGE									
FLOW DATA				TUBING DATA				CASING DATA			
NO.	Prover Size	X	Orn	Stat. Press psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							448				24 hour
1.							354				60 MIN
2.							300				60 MIN
3.							250				60 MIN
4.							200				60 MIN
5.							0				
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hours)		Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd				
SI							0				
1.							1380		3.1399		
2.							2180		3.3385		
3.							2988		3.4754		
4.							3688		3.5668		
5.							5016		AOF		
NO.	Pr	Temp, °R	Tr	Z	Gas Liquid Hydrocarbon Ratio A. P. I. Gravity of Liquid Hydrocarbon			N/A Mcf/bbl N/A Deg.			
1.								N/A			
2.					Specific Gravity Separator Gas			N/A			
3.					Specific Gravity Flowing Fluid			1.5192			
4.					Critical Pressure			1072 P.S.I.A.			
5.					Critical Temperature			548 R			
Pc -	460.2	Pc^2 -	211,784				(1) 4th test point		(2) 4th test point		
NO.	Pt^2	Pw	Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2	Log(10)	Pc^2	1.270	Pc^2 - Pw^2	^n	1.360
SI		460.2	211,784	0	0						
1.		366.2	134,102	77,682	4.8903						
2.		312.2	97,469	114,315	5.0581						
3.		282.2	68,749	143,035	5.1554						
4.		212.2	45,029	166,755	5.2221						
5.											
Absolute Open Flow		5,016		Mcf/d @ 15.025		Angle of Slope		37.86		Slope, n - 1.287 (Cotangent)	
Remarks:											
Approved By Commission:			Conducted By: Bill Prichard			Calculated By: Automation Software			Checked By: Gary Ford, Bill Prichard		

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW

