

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

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/22/96		API Number 30-059-20364	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant		RTU Number 5103	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 8/7/96		Total Depth 2317'		Plug Back Depth 2307'		Elevation 4780.90'	
Csg. Size 5 1/2	Wt. 15.5#	Csg. Inside Dia 4.75	Set At 2317'	Perforations From 2080' To 2272'		Well Number 2234-282P	
Tbg. Size X	Wt. X	Tbg. Inside Dia X	Set At X	Perforations From n/a To n/a		Unit Sec. Twp. Rge. sec 28, T-22N, R-34E	
Type well - Single-Bradenhead-G.G. or G.O. Multiple Single				Packer Set At n/a		County UNION	
Producing Through X		Reservoir Temp, F 95		Mean Annual Temp, F 60		Baro. Press. - PSIA 12.2	
Flow Channel, L 2307'		Depth, H 2307'	Gg 1.5192	%CO2 100	%N2 0	%H2S 0	Prover ORIFICE
							Meter Run 4 inch
							Taps FLANGE

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Size	Stat. Pres psig	Diff. Pres. Hw	Temp. 'F	Press. p.s.i.g.	Temp. 'F	Press. p.s.i.g.	Temp. 'F	
SI					277				24 hour
1.					250				60 MIN
2.					223				60 MIN
3.					196				60 MIN
4.					174				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		
						Values	Log(10)	
SI						0		
1.						2471	3.3929	
2.						3332	3.5227	
3.						3899	3.5910	
4.						4577	3.6606	
5.						5980	AOF	

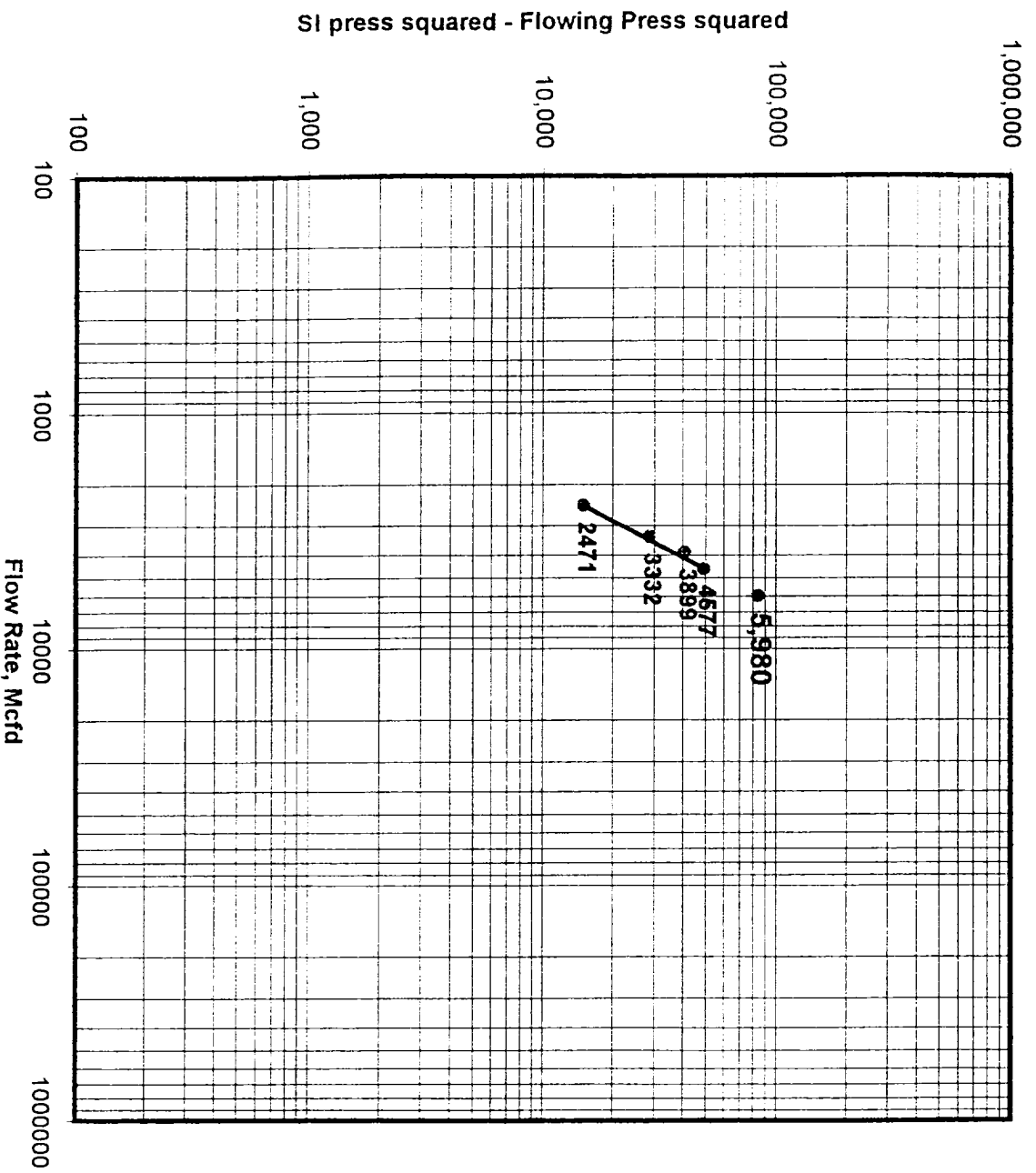
NO.	P r	Temp, 'R	T r	Z	Gas Liquid Hydrocarbon Ratio A. P. I. Gravity of Liquid Hydrocarbon		N/A Mcf/bbl N/A Deg.	
1.					Specific Gravity Separator Gas		N/A	
2.					Specific Gravity Flowing Fluid		1.5192	
3.					Critical Pressure		1072 P.S.I.A.	
4.					Critical Temperature		548 R	
5.								

Pc 289.2 Pc^ 83,637						(1) 4th test point		(2) 4th test point	
NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2 Log(10)	Pc^2	P c^2 - P w^2	P c^2 ^n	P c^2 - Pw^2
SI		289.2	83,637	0		1.708			1.307
1.		262.2	68,749	14,888	4.1728				
2.		235.2	55,319	28,318	4.4521				
3.		208.2	43,347	40,289	4.6052				
4.		186.2	34,670	48,966	4.6899				
5.									

Absolute Open Flow 5,980 Mcfd @ 15.025				Angle of Slope 63.45 Slope, n = 0.500 (Cotangent)	
Remarks:					

Approved By Commission:	Conducted By: Bill Prichard	Calculated By: Automation Software	Checked By: Gary Ford, Bill Prichard
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GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFORMANCE

