

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 8/27/95		API Number 30-059-20259	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant			RTU Number 5093	
Pool N/A				Formation Tubb			Unit BDCDGU	
Completion Date 6/18/85		Total Depth 3006		Plug Back Depth 2451		Elevation 4865 GL		Farm or Lease Name Bravo Dome
Csg. Size 7.0	Wt. 20	Csg. Inside Dia 6.456	Set At 3006	Perforations From 2470 To 2524		Well Number 2234-051-J		
Tbg. Size 3.5	Wt. 2.62 FG	Tbg. Inside Dia 2.95	Set At 2159	Perforations From n/a To n/a		Unit Sec. Twp. Rge. sec 05, T-22, R-34		
Type well - Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At 2171		County Union	
Producing Through Tubing		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2		State New Mexico
Flow Channel, L 2451	Depth, H 2451	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	X	Stat. Press psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI						310				24 hour
1.						250				60 MIN
2.						220				60 MIN
3.						190				60 MIN
4.						100				60 MIN
5.						0				

RATE OF FLOW CALCULATIONS								
NO.	Coefficient (24 Hours)	— / hw * Pm	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd	
							Values	Log(10)
SI							0	
1.							1132	3.0538
2.							1309	3.1169
3.							1451	3.1617
4.							1867	3.2711
5.							1997	AOF

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.
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 = 322.2	Pc^2 = 103,813		(1) 4th test point	(2) 4th test point
NO.	Pt^2	Pw	Pw^2	Pc^2 - Pw^2
SI		322.2	103,813	0
1.		262.2	68,749	35,064
2.		232.2	53,917	49,896
3.		202.2	40,885	62,928
4.		112.2	12,589	91,224
5.				

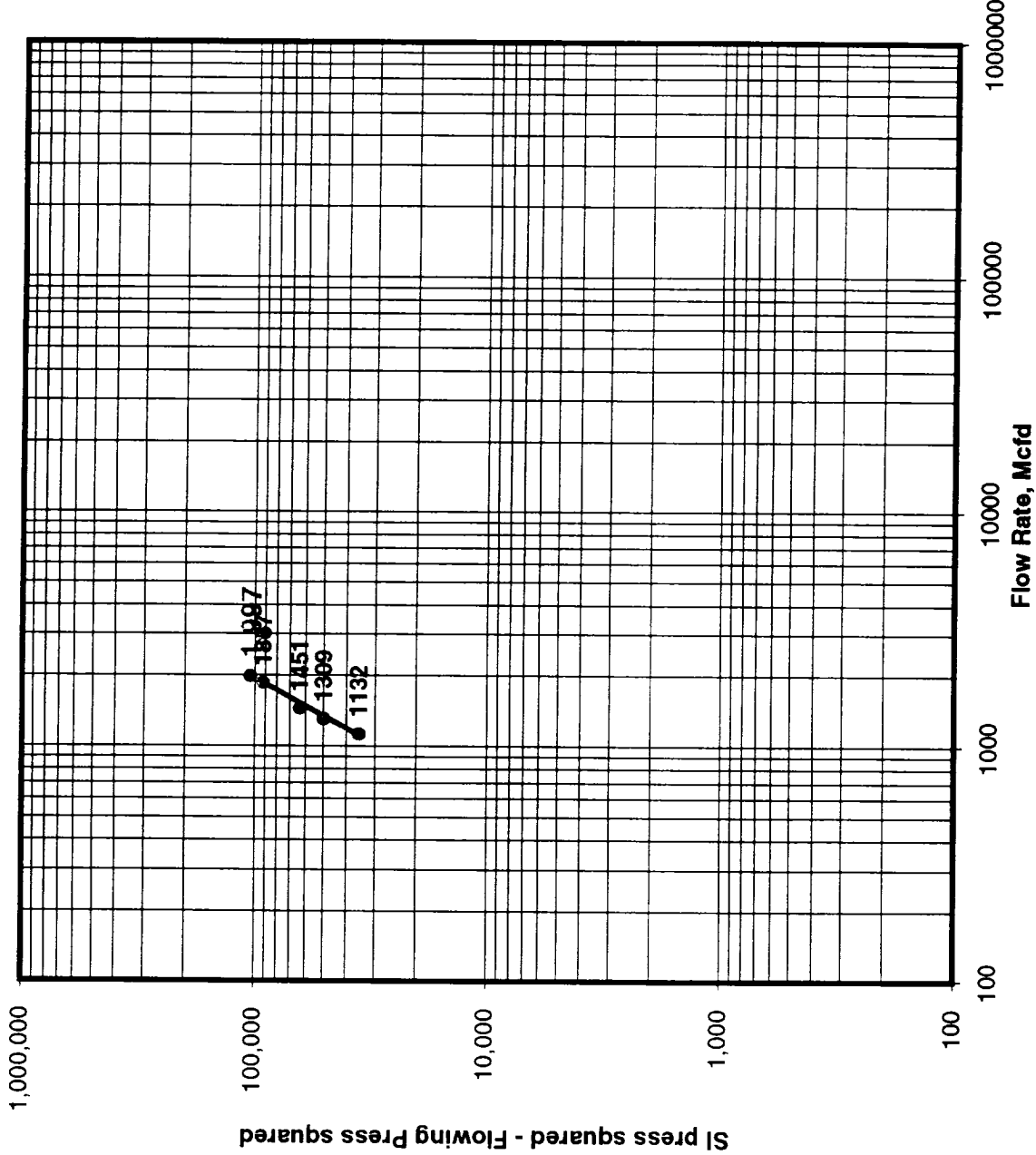
Log(10)		Pc^2 - Pw^2		Q = $\frac{Pc^2 - Pw^2}{Pc^2 - Pw^2} \cdot \frac{1}{Pc^2 - Pw^2}$	
1.	4.5449				
2.	4.6981				
3.	4.7988				
4.	4.9601				
5.					

Absolute Open Flow 1,997 Mcfd @ 15.025	Angle of Slope 62.53	Slope, n = 0.520 (Cotangent)
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Remarks:			

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



GAS WELL BACK PRESSURE TEST INFLOW PERFORMANCE

