

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 30-059-20337	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant				RTU Number 5067	
Pool N/A				Formation Tubb				Unit BDCDGU	
Completion Date 8/14/95		Total Depth 2307		Plug Back Depth 2296		Elevation 4726 GL		Farm or Lease Name Bravo Dome	
Csg. Size 5.5	Wt. 15.5.5.5	Csg. Inside Dia 4.75 FG	Set At 2307	Perforations From 2215 To 2296		Well Number 2135-171-K			
Tbg. Size n/a	Wt. n/a	Tbg. Inside Dia n/a	Set At n/a	Perforations From n/a To n/a		Unit Sec. Twp. Rge. sec 17,T-21,R-35			
Type well -Single-Bradenhead-G.G. or G.O. Multiple Single						Packer Set At n/a		County Union	
Producing Through Casing		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2		State New Mexico	
Flow Channel, L 2296	Depth, H 2296	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.	
SI						308			
1.						250			24 hour
2.						220			60 MIN
3.						190			60 MIN
4.						90			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.							883	2.9460
2.							1163	3.0656
3.							1387	3.1421
4.							2058	3.3134
5.							2252	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 = 320.2	Pc^2 = 102,528		
NO.	P t^2	Pw	Pw^2
SI		320.2	102,528
1.		262.2	68,749
2.		232.2	53,917
3.		202.2	40,885
4.		102.2	10,445
5.			

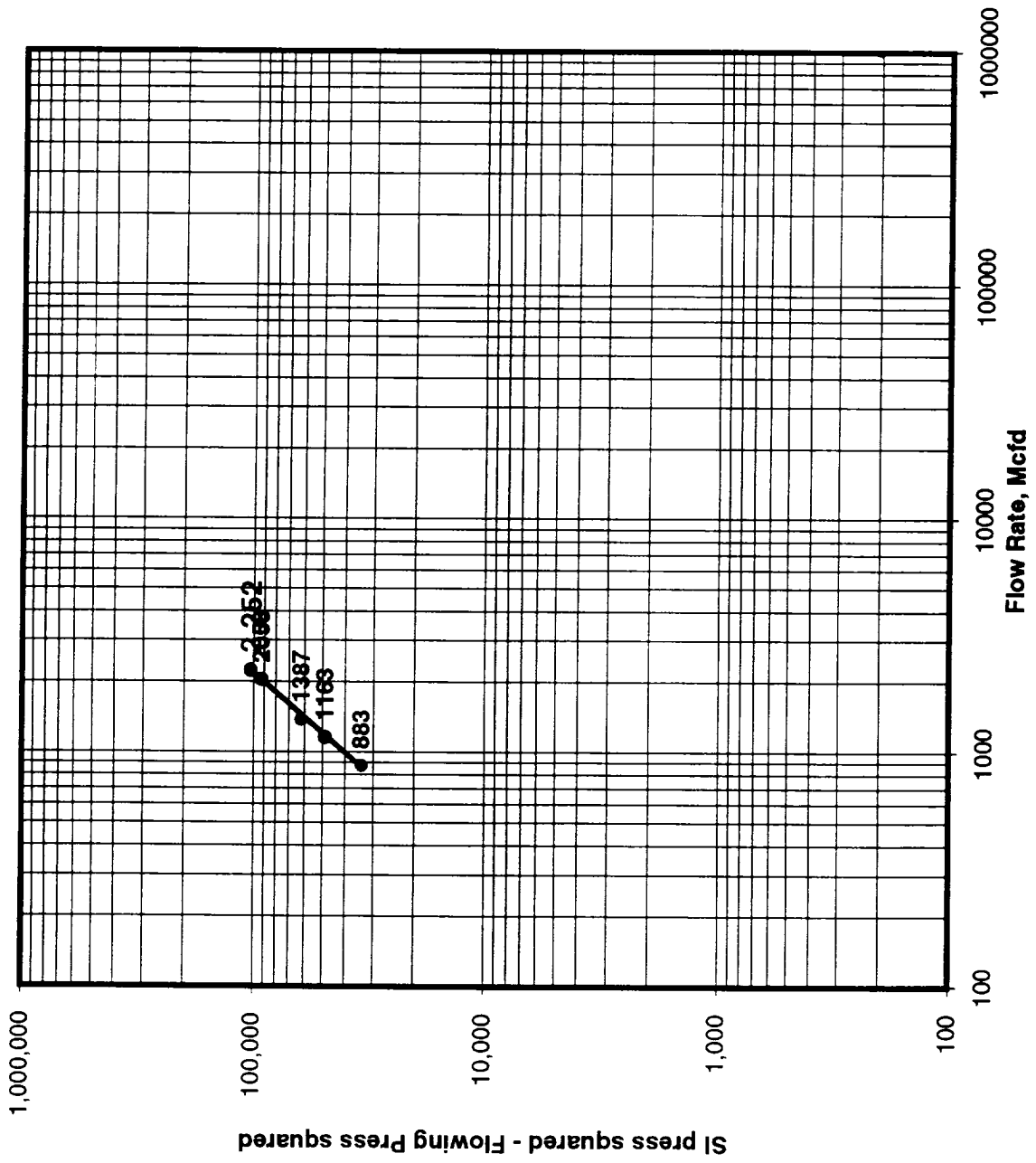
(1) 4th test point		(2) 4th test point	
Pc^2	1.113	Pc^2 - Pw^2 ^n	1.094
Pc^2 - Pw^2		Pc^2 - Pw^2	
4th test point			
Q P^2 ^n	2,252	= AOF	
Pc^2 - Pw^2			

Absolute Open Flow 2,252 Mcfd @ 15.025	Angle of Slope 49.97	Slope, n = 0.840 (Cotangent)
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Remarks: Fiberglass casing to top of Tubb. Steel casing set through Tubb and perked.

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

