

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 8/26/96		API Number 30-059-20351	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant		RTU Number 5108	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 8/20/96		Total Depth 2285'		Plug Back Depth 2275'		Elevation 4733.30'	
Farm or Lease Name Bravo Dome		Well Number 2135-182D		Unit Sec. Twp. Rge. sec 18, T-21N, R-35E			
Csg. Size 5 1/2	Wt. 15.5#	Csg. Inside Dia. 4.75	Set At 2285'	Perforations From 2168' To 2264'			
Tbg. Size X	Wt. X	Tbg. Inside Dia. X	Set At. X	Perforations From n/a To n/a			
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	
State New Mexico							
Flow Channel, L 2275'	Depth, H 2275'	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. Press. Hw	Temp. 'F	Press. p.s.i.g.	Temp. 'F	Press. p.s.i.g.	Temp. 'F	
SI					288				24 hour
1.					235				60 MIN
2.					213				60 MIN
3.					190				60 MIN
4.					162				60 MIN
5.					0				

RATE OF FLOW CALCULATIONS								
NO.	Coefficient (24 Hours)	$\frac{1}{hw} \times Pm$	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd	
SI							Values	Log(10)
1.							1310	3.1173
2.							1521	3.1821
3.							1744	3.2415
4.							2051	3.3120
5.							2637	AOF

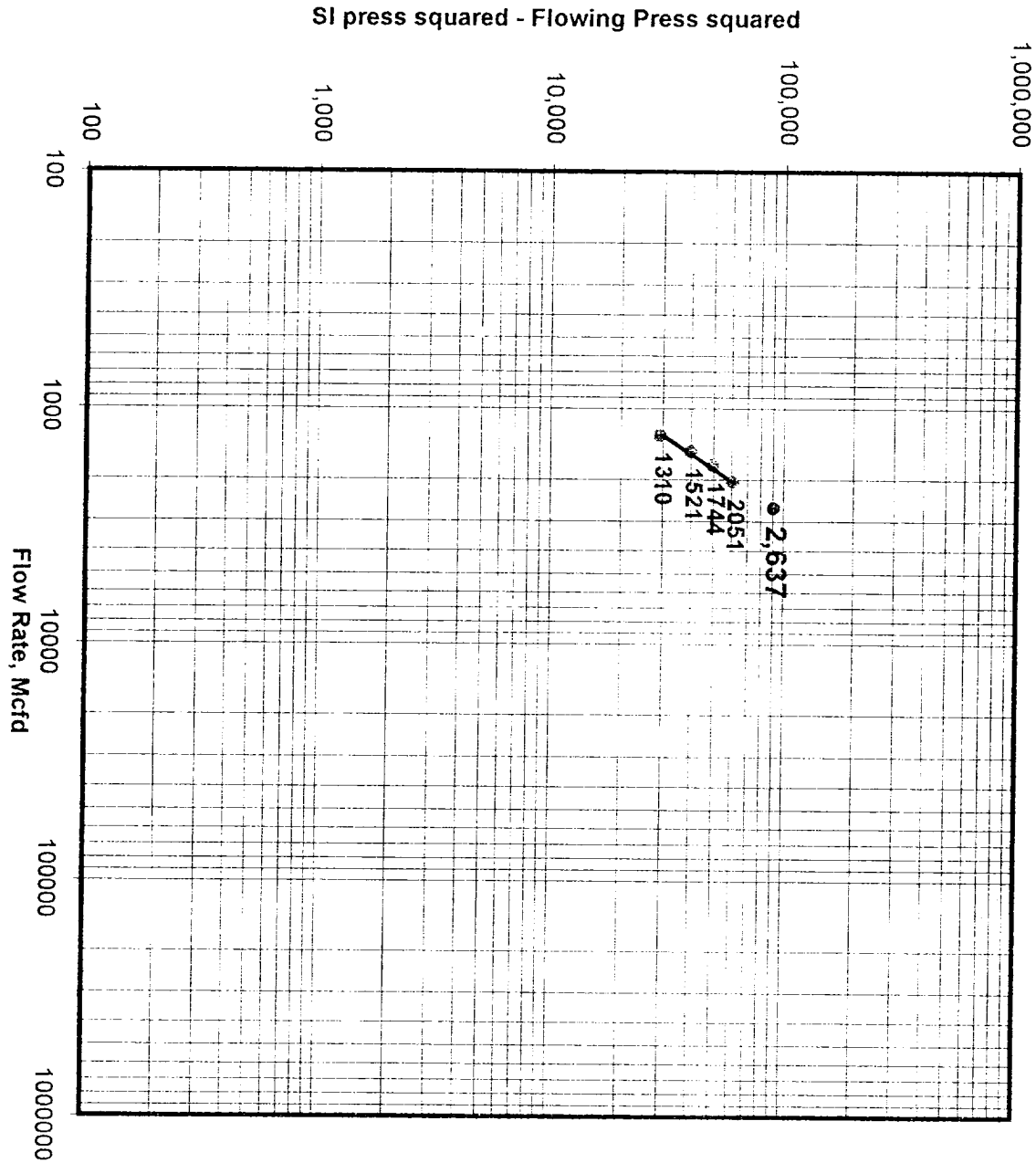
NO.	P r	Temp, 'R	T r	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.
2.					Specific Gravity Separator Gas	N/A
3.					Specific Gravity Flowing Fluid	1.5192
4.					Critical Pressure	1072 P.S.I.A.
5.					Critical Temperature	548 R

Pc	300.2	Pc^	90,120		(1) 4th test point	(2) 4th test point
NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2	P c^2 - Pw^2
SI		300.2	90,120	0	1.508	1.285
1.		247.2	61,108	29,012		
2.		225.2	50,715	39,405		
3.		202.2	40,885	49,235		
4.		174.2	30,346	59,774		
5.						

Absolute Open Flow 2,637 Mcfd @ 15.025				Angle of Slope 58.55		Slope, n = 0.612 (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