

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 9/5/96		API Number 30-059-20360	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant		RTU Number 5106	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 8/13/96		Total Depth 2256'		Plug Back Depth 2246'		Elevation 4714.70'	
Csg. Size 5 1/2		Wt. 15.5#		Csg. Inside Dia 4.75		Set At 2256'	
Perforations From 2100' To 2201'				Well Number 2134-133M			
Tbg. Size X		Wt. X		Tbg. Inside Dia X		Set At X	
Perforations From n/a To n/a				Unit Sec. Twp. Rge. sec 13, T-21N, 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	
State New Mexico							
Flow Channel, L 2246'		Depth, H 2246'		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.					251				60 MIN
2.					225				60 MIN
3.					207				60 MIN
4.					172				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.							2395	3.3793	
2.							3717	3.5702	
3.							4452	3.6486	
4.							5190	3.7152	
5.							7554	AOF	

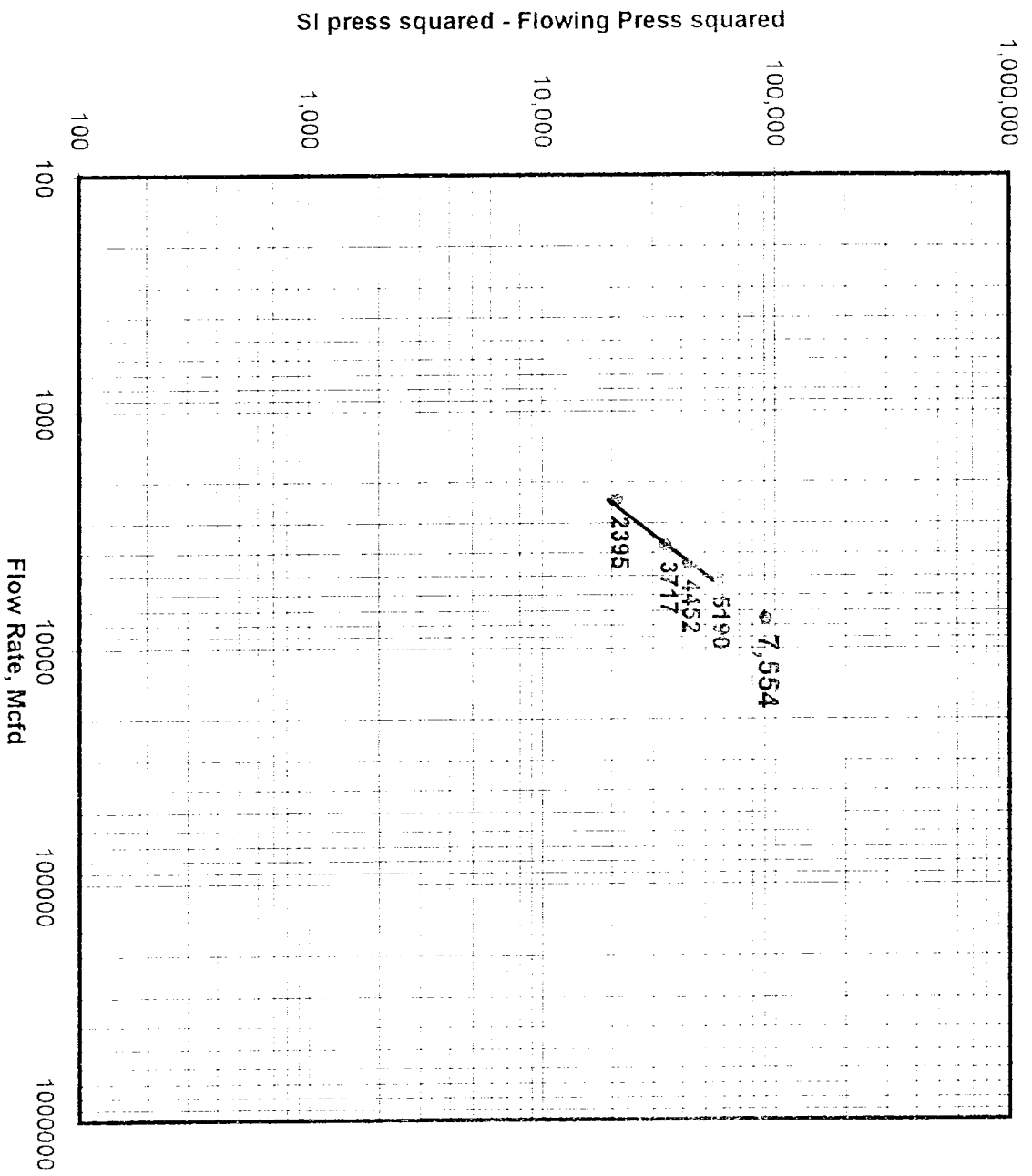
NO.	P r	Temp. °R	T r	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
					A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.
1.					Specific Gravity Separator Gas	N/A
2.					Specific Gravity Flowing Fluid	1.5192
3.					Critical Pressure	1072 P.S.I.A.
4.					Critical Temperature	548 R
5.						

Pc	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	Pc^2 - P w^2
SI		300.2	90,120	0	1.604	1.456
1.		263.2	69,274	20,846		
2.		237.2	56,264	33,856		
3.		219.2	48,049	42,071		
4.		184.2	33,930	56,190		
5.						

Absolute Open Flow 7,554 Mcfd @ 15.025				Angle of Slope 51.53		Slope, n = 0.795 (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