

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Form C-122
 Revised 9-1-63

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/20/96		API Number 30-059-20365	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant		RTU Number 5105	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 8/13/96		Total Depth 2290'		Plug Back Depth 2280'		Elevation 4749'	
Ceg. Size 5 1/2		Wt. 15.5#		Ceg. Inside Dia 4.75		Set At 2290'	
Tbg. Size X		Wt. X		Tbg. Inside Dia X		Set At X	
Perforations From 2096'		To 2233'		Well Number 2234-342P		Unit Sec. Twp. Rge. sec 34, 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 2280'		Depth, H 2280'		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. Press psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI					278				24 hour
1.					232				60 MIN
2.					200				60 MIN
3.					186				60 MIN
4.					150				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.							1100	3.0414	
2.							1551	3.1906	
3.							1797	3.2545	
4.							2200	3.3424	
5.							2981	AOF	

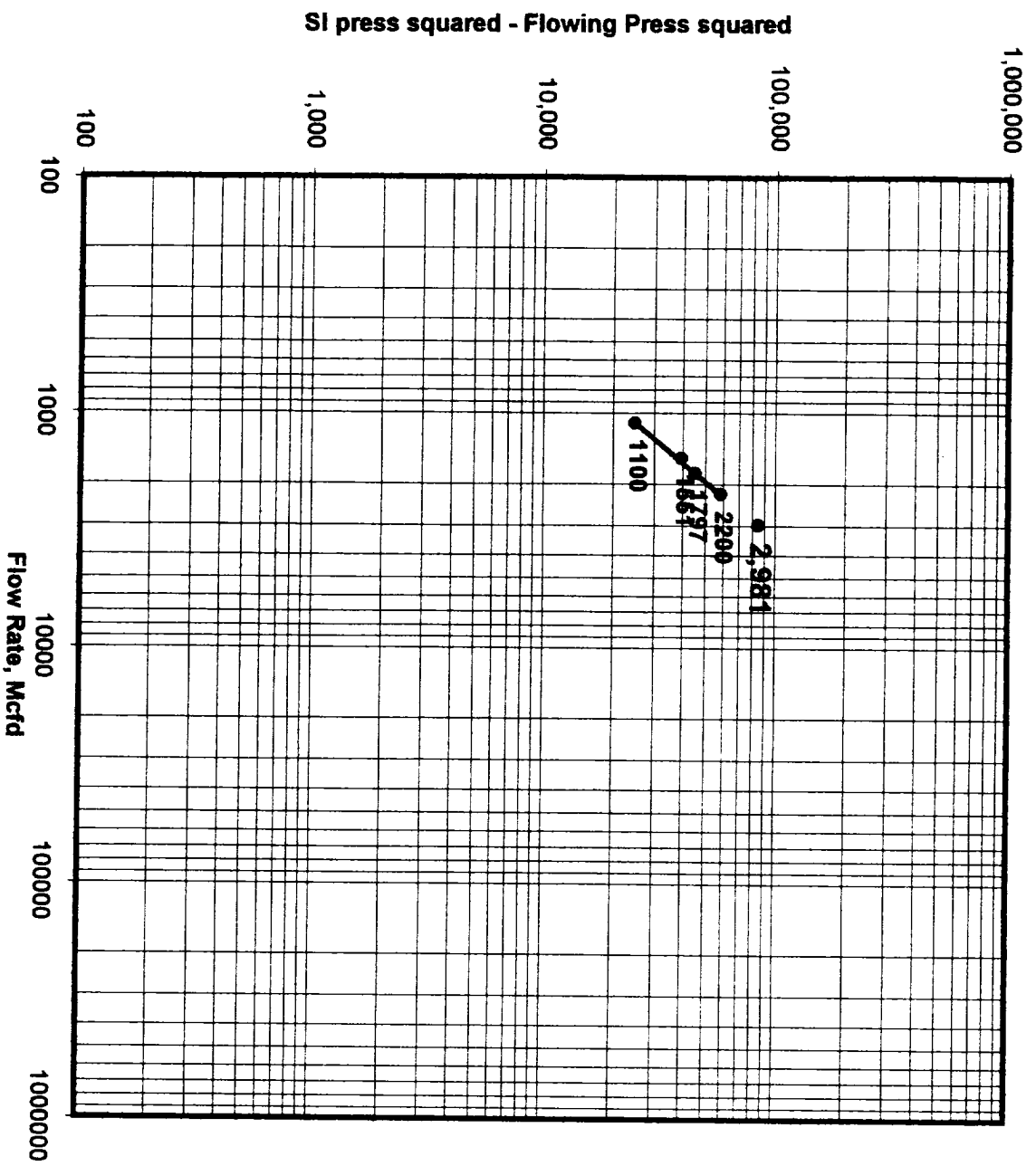
NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon <td>N/A Deg.</td>	N/A Deg.
2.					Specific Gravity Separator Gas <td>N/A</td>	N/A
3.					Specific Gravity Flowing Fluid <td>1.5192</td>	1.5192
4.					Critical Pressure <td>1072 P.S.I.A.</td>	1072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

Pc 290.2		Pc^ 84,216				(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	Pc^2	1.454	P c^2 ^n	1.355
SI		290.2	84,216	0	Log(10)	P c^2 - P w^2		P c^2 - P w^2	
1.		244.2	59,634	24,582	4.3906				
2.		212.2	45,029	39,187	4.5931				
3.		198.2	39,283	44,933	4.6526				
4.		162.2	26,309	57,907	4.7627				
5.									

Absolute Open Flow 2,981		Mcf/d @ 15.025		Angle of Slope 50.95		Slope, n = 0.811 (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

