

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 6/20/96		API Number 30-059-20314	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant		RTU Number 5061	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 8/6/95		Total Depth 2395		Plug Back Depth 2384		Elevation 4834	
Csg. Size 5.5		Wt. fg		Csg. Inside Dia 4.75		Set At 2395	
Tbg. Size na		Wt. x		Tbg. Inside Dia x		Set At x	
Perforations From 2232		To 2384		Well Number 2134-241f		Unit Sec. Twp. Rge. sec 24,T-21,R-34	
Type well -Single-Bradenhead-G.G. or G.O. Multiple Single				Packer Set At na		County Union	
Producing Through csg		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2	
State New Mexico		Flow Channel, L 2384		Depth, H 2384		Gg 1.5192	
%CO2 100		%N2 0		%H2S 0		Prover ORIFICE	
Meter Run 4 inch		Taps FLANGE		Duration of Flow 24 hour			

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					205				
1.					190				60 MIN
2.					176				60 MIN
3.					154				60 MIN
4.					130				60 MIN
5.					0				

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hours)	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd	
SI						Values	Log(10)
1.						2620	3.4183
2.						3420	3.5340
3.						4012	3.6034
4.						4820	3.6830
5.						6046	AOF

NO.	P r	Temp. °R	T r	Z	Gas Liquid Hydrocarbon Ratio A. P. I. Gravity of Liquid Hydrocarbon	N/A Mcf/bbl 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 217.2		Pc^ 47,176				(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 ^n	Pc^2 - Pw^2
SI		217.2	47,176	0	Log(10)	1.750	1.254
1.		202.2	40,885	6,291	3.7987		
2.		188.2	35,419	11,757	4.0703		
3.		166.2	27,622	19,553	4.2912		
4.		142.2	20,221	26,955	4.4306		
5.							

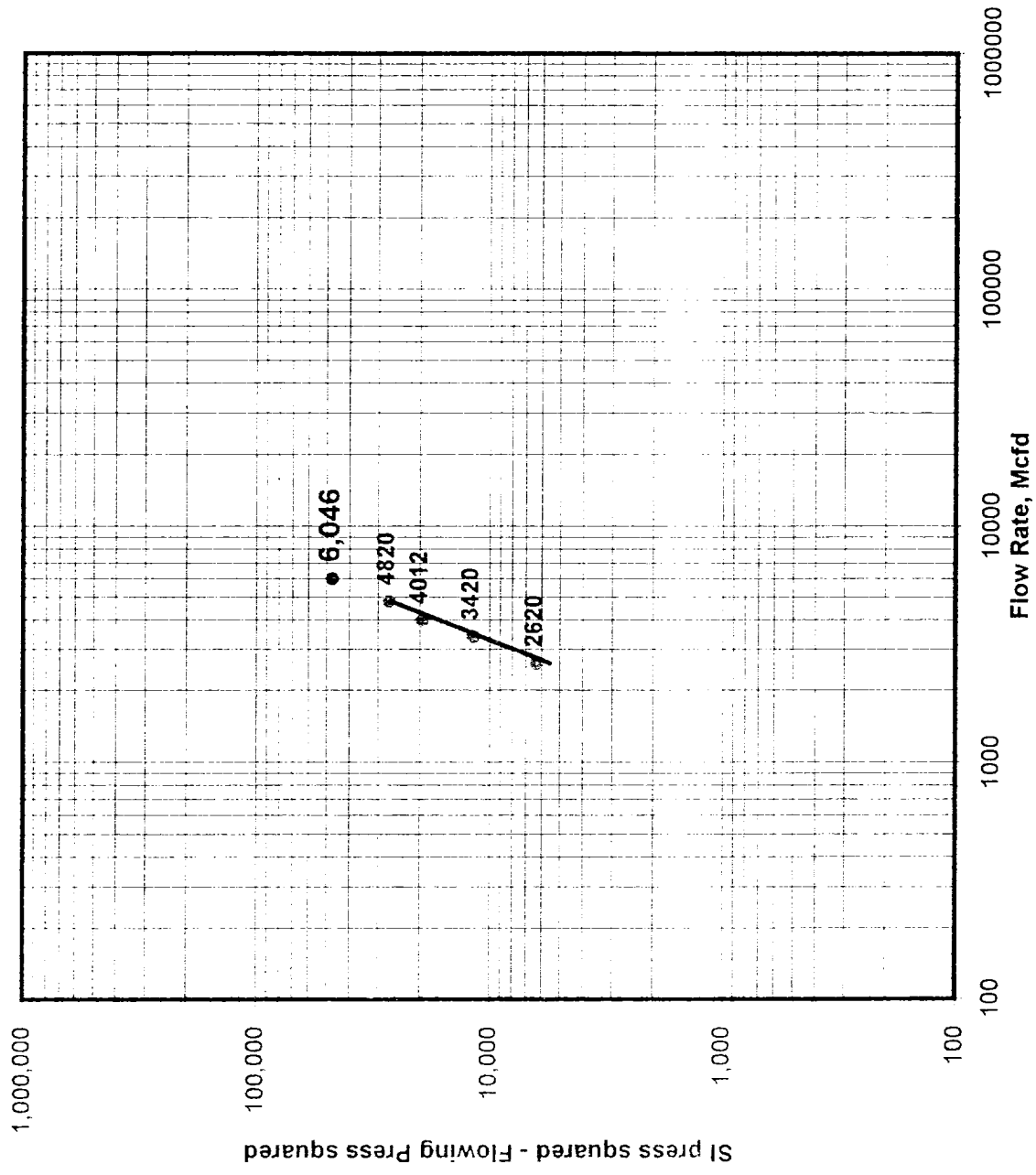
4th test point		Q P^2 ^n		6,046 = AOF	
Pc^2 - Pw^2					

Absolute Open Flow 6,046		Mcf/d @ 15.025		Angle of Slope 67.96		Slope, n = 0.405 (Cotangent)	
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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

