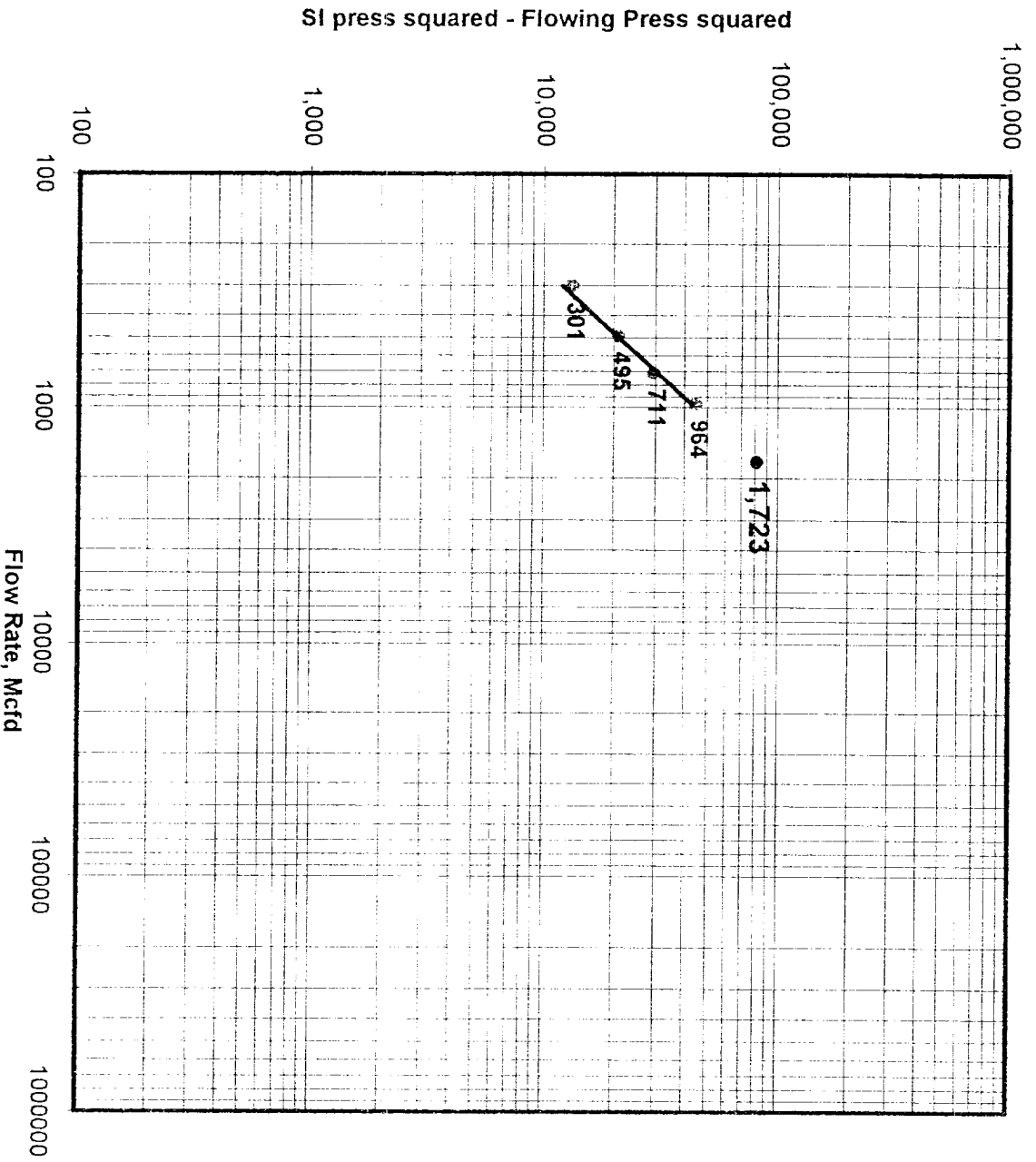


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Revised 9-1-63

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8/30/96		API Number 30-059-20359		
Company Amoco Corporation				Connection Bravo Dome CO2 Plant			RTU Number 4112		
Pool N/A				Formation Tubb			Unit BDCDGU		
Completion Date 8/29/96		Total Depth 2443'		Plug Back Depth 2433'		Elevation 4577.10'		Farm or Lease Name Bravo Dome	
Csg. Size 5 1/2	Wt. 15.5#	Csg. Inside Dia 4.75	Set At 2443'	Perforations From 2348' To 2426				Well Number 1835-232D	
Tbg. Size X	Wt. X	Tbg. Inside Dia X	Set At. X	Perforations From n/a To n/a				Unit Sec. Twp. Rge. sec 23,T-18N,R-35E	
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 2433'	Depth, H 2433'	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. Pres psig	Diff. Pres. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI					272				24 hour
1.					248				60 MIN
2.					233				60 MIN
3.					215				60 MIN
4.					179				60 MIN
5.					0				
RATE OF FLOW CALCULATIONS									
NO.	Coefficient (24 Hours)	$\frac{1}{hw} \cdot P_m$	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd		
SI							Values	Log(10)	
1.							301	2.4786	
2.							495	2.6946	
3.							711	2.8519	
4.							964	2.9841	
5.							1723	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 284.2		Pc^ 80,770				(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	1.827	P c^2 ^n	1.788
SI		284.2	80,770	0	Log(10)	$P c^2 - P w^2$		$P c^2 - P w^2$	
1.		260.2	67,704	13,066	4.1161	4th test point $Q \frac{P^2}{P c^2 - P w^2} = AOF$ $1,723 = AOF$			
2.		245.2	60,123	20,647	4.3148				
3.		227.2	51,620	29,150	4.4646				
4.		191.2	36,557	44,212	4.6455				
5.									
Absolute Open Flow 1,723 Mcfd @ 15.025					Angle of Slope 46.05		Slope, n = 0.964 (Cotangent)		
Remarks:									
Approved By Commission:		Conducted By: Bill Prichard			Calculated By: Automation Software		Checked By: Gary Ford, Bill Prichard		

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFORMANCE