

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 11/4/95		API Number 30-059-20340	
Company Amoco Corporation				Connection Bravo Dome CO2 Plant				RTU Number 5080	
Pool N/A				Formation Tubb				Unit BDCDGU	
Completion Date 9/12/95		Total Depth 2397		Plug Back Depth 2386		Elevation 4826 GR		Farm or Lease Name Bravo Dome	
Csg. Size 5.5	Wt. 15.5,5.9	Csg. Inside Dia 4.75 FG	Set At 2397	Perforations From 2140 To 2350		Well Number 2234-291-G			
Tbg. Size n/a	Wt. n/a	Tbg. Inside Dia n/a	Set At n/a	Perforations From n/a To n/a		Unit Sec. Twp. Rge. sec 29,T-22,R-34			
Type well - Single-Bradenhead-G.G. or G.O. Multiple Single						Packer Set At n/a		County Union	
Producing Through Casing		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2		State New Mexico	
Flow Channel, L 2386	Depth, H 2386	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					282				24 hour
1.					271				60 MIN
2.					260				60 MIN
3.					251				60 MIN
4.					235				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.							2661	3.4250
2.							4607	3.6634
3.							5514	3.7415
4.							7151	3.8544
5.							17050	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 = 294.2		Pc^2 = 86,554				(1) 4th test point	(2) 4th test point
NO.	Pt^2	Pw	Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2	Pc^2	Pc^2 - Pw^2
SI		294.2	86,554	0	Log(10)	3.401	2.384
1.		283.2	80,202	6,351			
2.		272.2	74,093	12,461			
3.		263.2	69,274	17,279			
4.		247.2	61,108	25,446			
5.							

4th test point
 $Q \sqrt{\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}} = 17,050 = \text{AOF}$

Absolute Open Flow	17,050	Mcf/d @ 15.025	Angle of Slope	54.63	Slope, n =	0.710 (Cotangent)
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Remarks: fiberglass casing to top of Tubb. Steel casing set through Tubb and perforated.

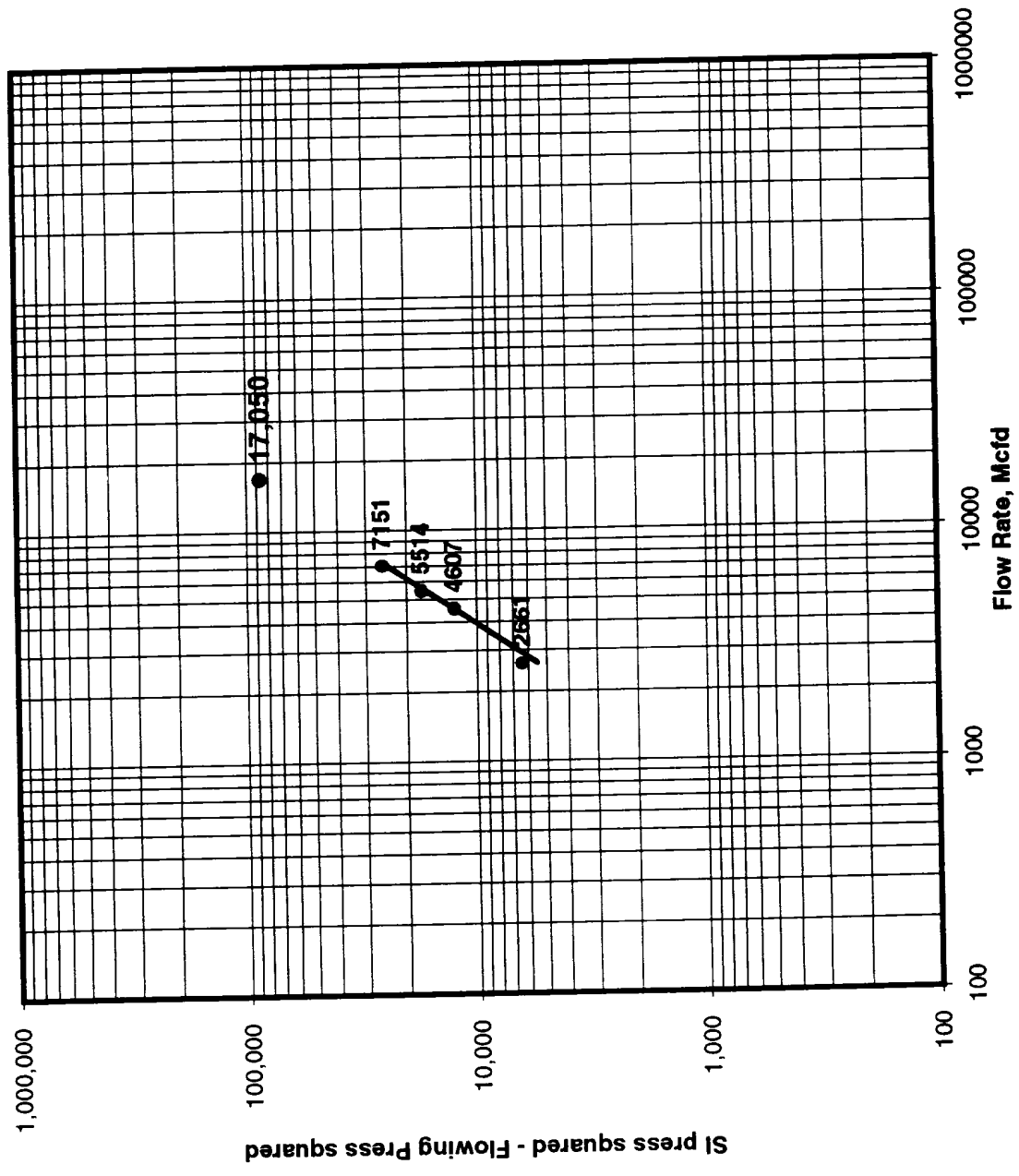
Approved By Commission:	Conducted By: Bill Prichard	Calculated By: Automation Software	Checked By: Garv Ford, Bill Prichard
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7/24/95

BRAVO DOME CO2 GAS UNIT WELL NO. 2234291G.XLS

AMOCO

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFORMANCE

