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

Type Test			Test Date	API Number
[X] Initial	[ ] Annual	[ ] Special	6/25/96	30-059-20319

Company	Connection	RTU Number
Amoco Corporation	Bravo Dome CO2 Plant	5062

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
8/5/95	2344	2333	4783	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations		Well Number
5.5	fg	4.75	2344	From 2230	To 2332	2135-191f

Tbg. Size	Wt.	Tbg. Inside Dia	Set At.	Perforations		Unit Sec. Twp. Rge.
na	x	x	x	From n/a	To n/a	sec 19,T-21,R-35

Type well -Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	na	Union

Producing Through	Reservoir Temp, F	Mean Annual Temp, F	Baro. Press. - PSIA	State
csg	95	60	12.2	New Mexico

Flow Channel, L	Depth, H	Gg	%CO2	%N2	%H2S		Prover	Meter Run	Taps
2333	2333	1.5192	100	0	0		ORIFICE	4 inch	FLANGE

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Size	X	Stat. Pres psig	Diff.Press. Hw	Temp. 'F	Press. p.s.i.g.	Temp. 'F	Press. p.s.i.g.	Temp. 'F	Duration of Flow
SI						206				24 hour
1.						185				60 MIN
2.						170				60 MIN
3.						161				60 MIN
4.						135				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.							3000	3.4771
2.							4062	3.6087
3.							4377	3.6412
4.							5300	3.7243
5.							7266	AOF

NO.	P r	Temp, 'R	T r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio	N/A	Mcf/bbl
A. P. I. Gravity of Liquid Hydrocarbon	N/A	Deg.
Specific Gravity Separator Gas	N/A	
Specific Gravity Flowing Fluid	1.5192	
Critical Pressure	1072	P.S.I.A.
Critical Temperature	548	R

Pc 218.2 Pc^ 47,611

NO.	Pt^2	Pw	Pw^2	Pc^2 - Pw^	Pc^2 - Pw^2 Log(10)
SI		218.2	47,611	0	
1.		197.2	38,888	8,723	3.9407
2.		182.2	33,197	14,414	4.1588
3.		173.2	29,998	17,613	4.2458
4.		147.2	21,668	25,943	4.4140
5.					

(1) Pc^2 / (Pc^2 - Pw^2) — 4th test point: 1.835

(2) (Pc^2 / |Pc^2-Pw^2|)^n — 4th test point: 1.371

4th test point: Q = (P^2 / |Pc^2-Pw^2|)^n = 7,266 = AOF

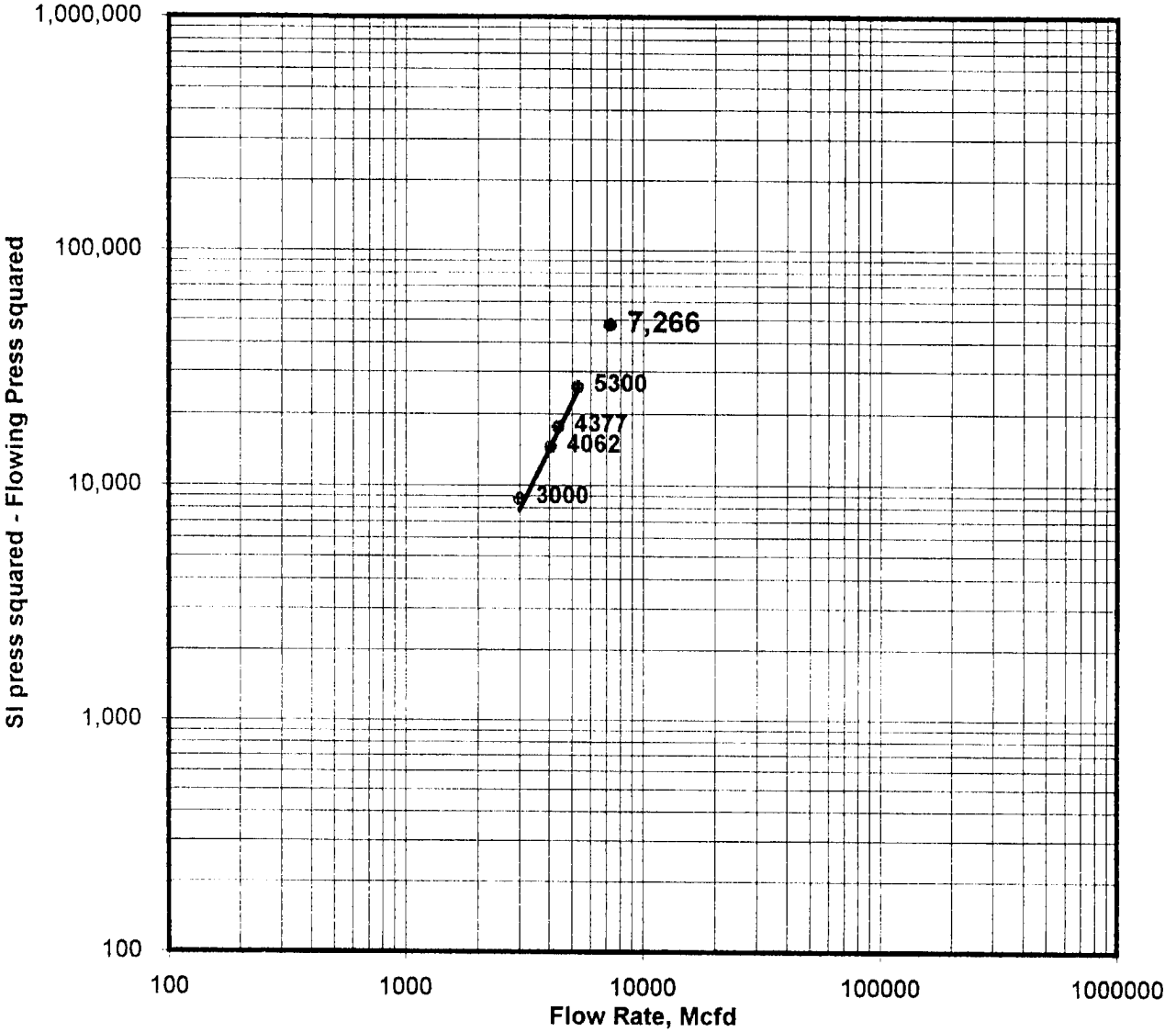
Absolute Open Flow	7,266	Mcfd @ 15.025	Angle of Slope	62.54	Slope, n =	0.520 (Cotangent)

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Prichard	Automation Software	Gary Ford, Bill Prichard

G.T. Ford-Amoco 2135191F.XLS

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFOMANCE