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	9/18/96	30-059-20346

Company	Connection	RTU Number
Amoco Corporation	Bravo Dome CO2 Plant	4109

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
8/26/96	2488'	2478'	4643.40'	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations	Well Number
5 1/2	15.5#	4.75	2488'	From 2397' To 2466'	1835-082N

Tbg. Size	Wt.	Tbg. Inside Dia	Set At.	Perforations	Unit Sec. Twp. Rge.
x	x	x	x	From n/a To n/a	sec 08,T-18N,R-35E

Type well -Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	n/a	UNION

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

Flow Channel, L	Depth, H	Gg	%CO2	%N2	%H2S		Prover	Meter Run	Taps
2478'	2478'	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						272				24 hour
1.						235				60 MIN
2.						207				60 MIN
3.						178				60 MIN
4.						148				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.							377	2.5763
2.							487	2.6875
3.							599	2.7774
4.							701	2.8457
5.							881	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 284.2 Pc^ 80,770

NO.	P t^2	Pw	P w^2	Pc^2 - P w^	Pc^2 - P w^2 Log(10)
SI		284.2	80,770	0	
1.		247.2	61,108	19,662	4.2936
2.		219.2	48,049	32,721	4.5148
3.		190.2	36,176	44,594	4.6493
4.		160.2	25,664	55,106	4.7412
5.					

(1) Pc^2 / (P c^2 - P w^2) 4th test point 1.466

(2) | P c^2 / Pc^2-Pw^2 | ^n 4th test point 1.257

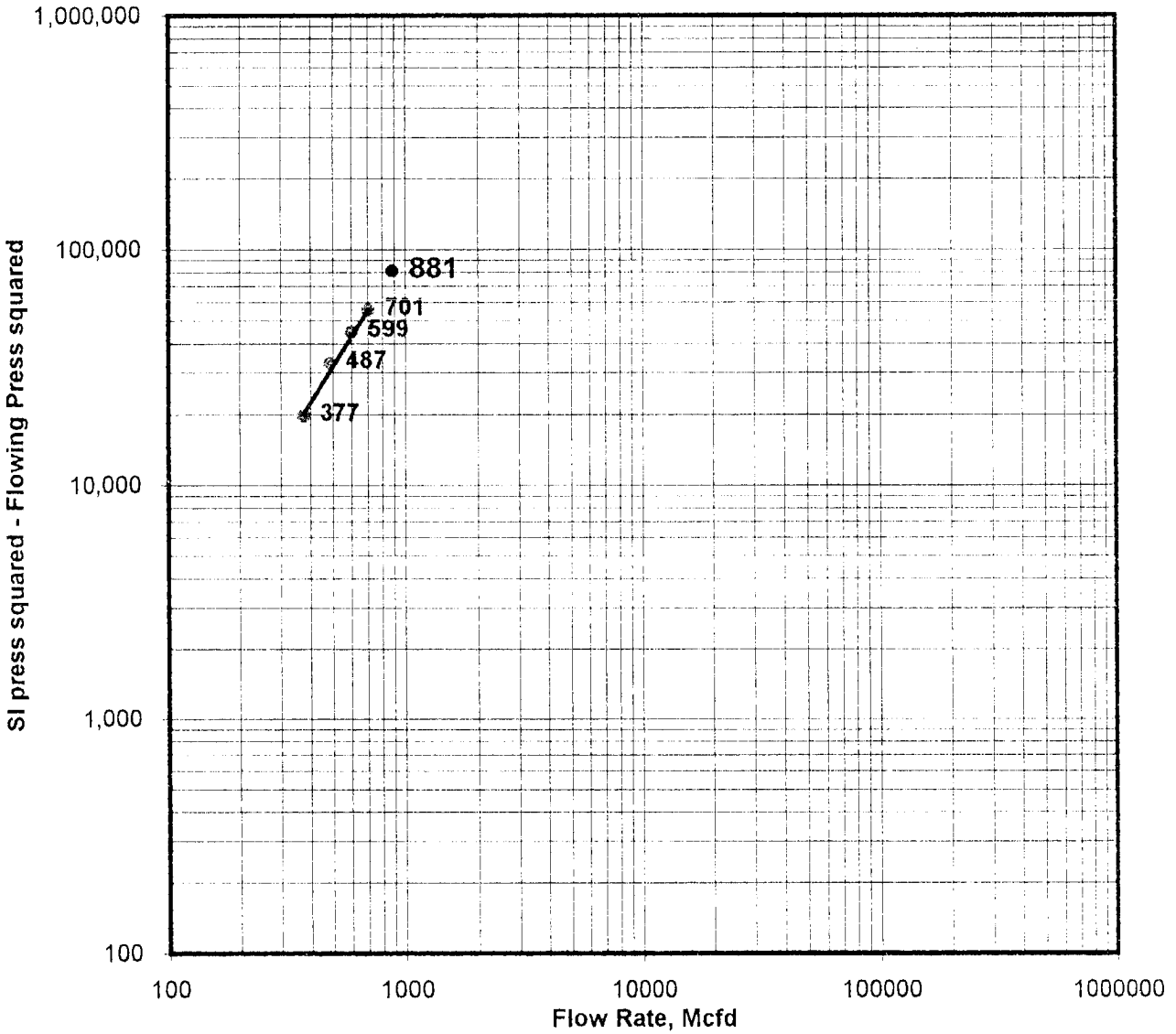
Q | P^2 / |Pc^2-Pw^2| ^n = 881 AOF

Absolute Open Flow 881 Mcfd @ 15.025 — Angle of Slope 59.15 — Slope, n = 0.597 (Cotangent)

Remarks:

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

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFOMANCE