NEW MEXICO OIL CONSERVATION COMMISSION — Form C-122

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL — Revised 9-1-63

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 8/28/95	API Number: 30-059-20318
Company: Amoco Corporation	Connection: Bravo Dome CO2 Plant		RTU Number: 5066
Pool: N/A	Formation: Tubb		Unit: BDCDGU
Completion Date: 8/13/95	Total Depth: 2334	Plug Back Depth: 2323	Elevation: 4783 GL
Farm or Lease Name: Bravo Dome			

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations				Well Number
5.5	15.5.5.9	4.75 FG	2334	From	2234	To	2323	2135-181-K
Tbg. Size	**Wt.**	**Tbg. Inside Dia**	**Set At.**	**Perforations**				**Unit Sec. Twp. Rge.**
n/a	n/a	n/a	n/a	From	n/a	To	n/a	sec 18,T-21,R-35

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
Casing	95	60	12.2	New Mexico

Flow Channel, L	Depth, H	Gg	%CO2	%N2	%H2S		Prover	Meter Run	Taps
2323	2323	1.5192	100	0	0		ORIFICE	4 inch	FLANGE

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Size	X	Stat. Press psig	Diff.Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI						310				24 hour
1.						270				60 MIN
2.						250				60 MIN
3.						190				60 MIN
4.						110				60 MIN
5.						0				

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hours)	$\sqrt{hw * Pm}$	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd Values	Log(10)
SI							0	
1.							1002	3.0009
2.							1208	3.0821
3.							1790	3.2529
4.							2685	3.4289
5.							3013	AOF

NO.	Pr	Temp, °R	Tr	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 = 322.2 Pc^2 103,813

NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2 Log(10)
SI		322.2	103,813	0	
1.		282.2	79,637	24,176	4.3834
2.		262.2	68,749	35,064	4.5449
3.		202.2	40,885	62,928	4.7988
4.		122.2	14,933	88,880	4.9488
5.					

(1) 4th test point: $\frac{Pc^2}{Pc^2 - Pw^2}$ = 1.168

(2) 4th test point: $\left|\frac{Pc^2}{Pc^2 - Pw^2}\right|^n$ = 1.122

4th test point: $Q \left|\frac{P^2}{Pc^2 - Pw^2}\right|^n$ = 3,013 = AOF

Absolute Open Flow 3,013 Mcfd @ 15.025 | Angle of Slope 53.45 | Slope, n = 0.741 (Cotangent)

Remarks: Fibergiass casing to top of Tubb. Steel casing set through Tubb and perfed.

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

G.T. Ford-Amoco 2135181K.XLS

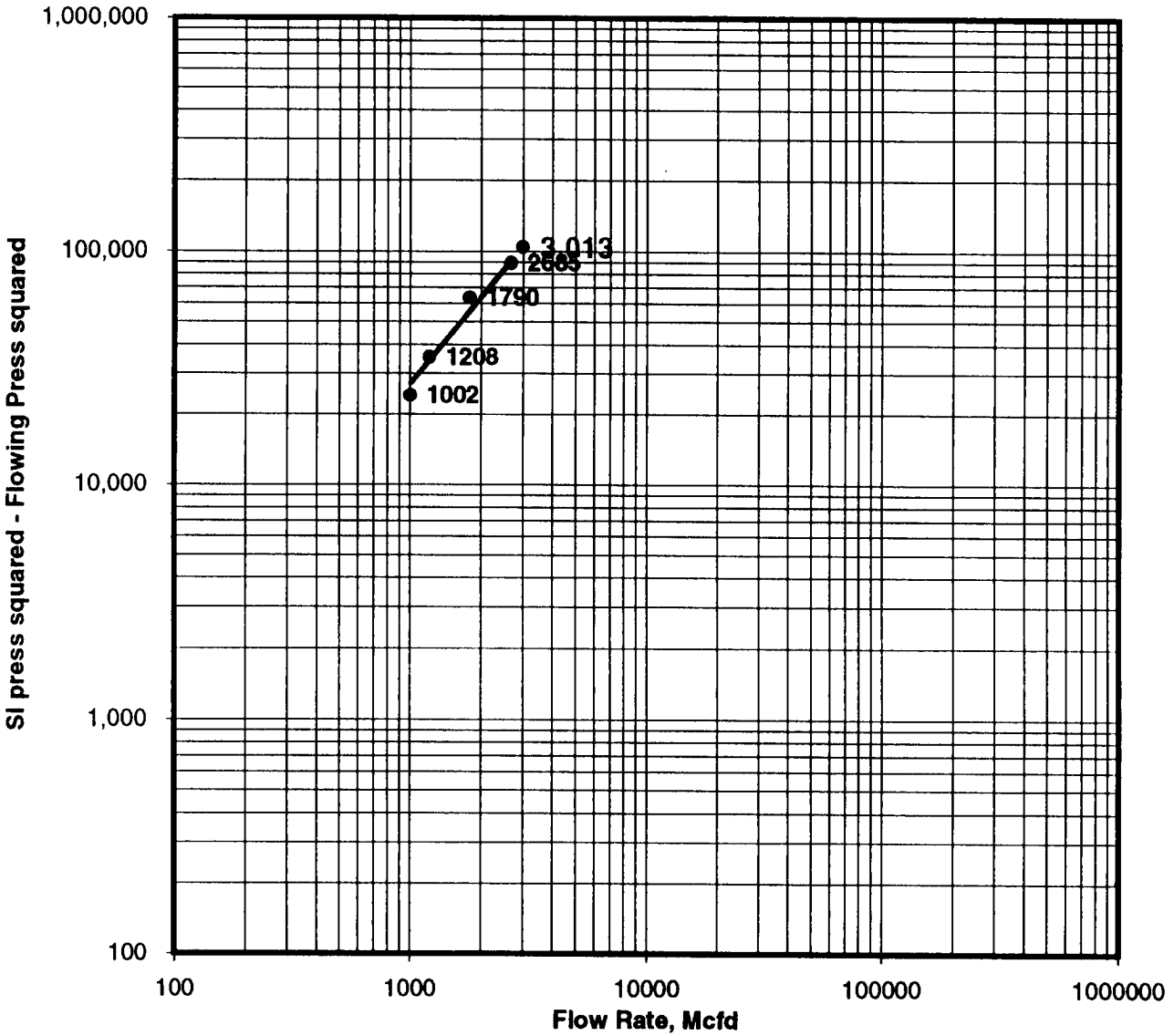
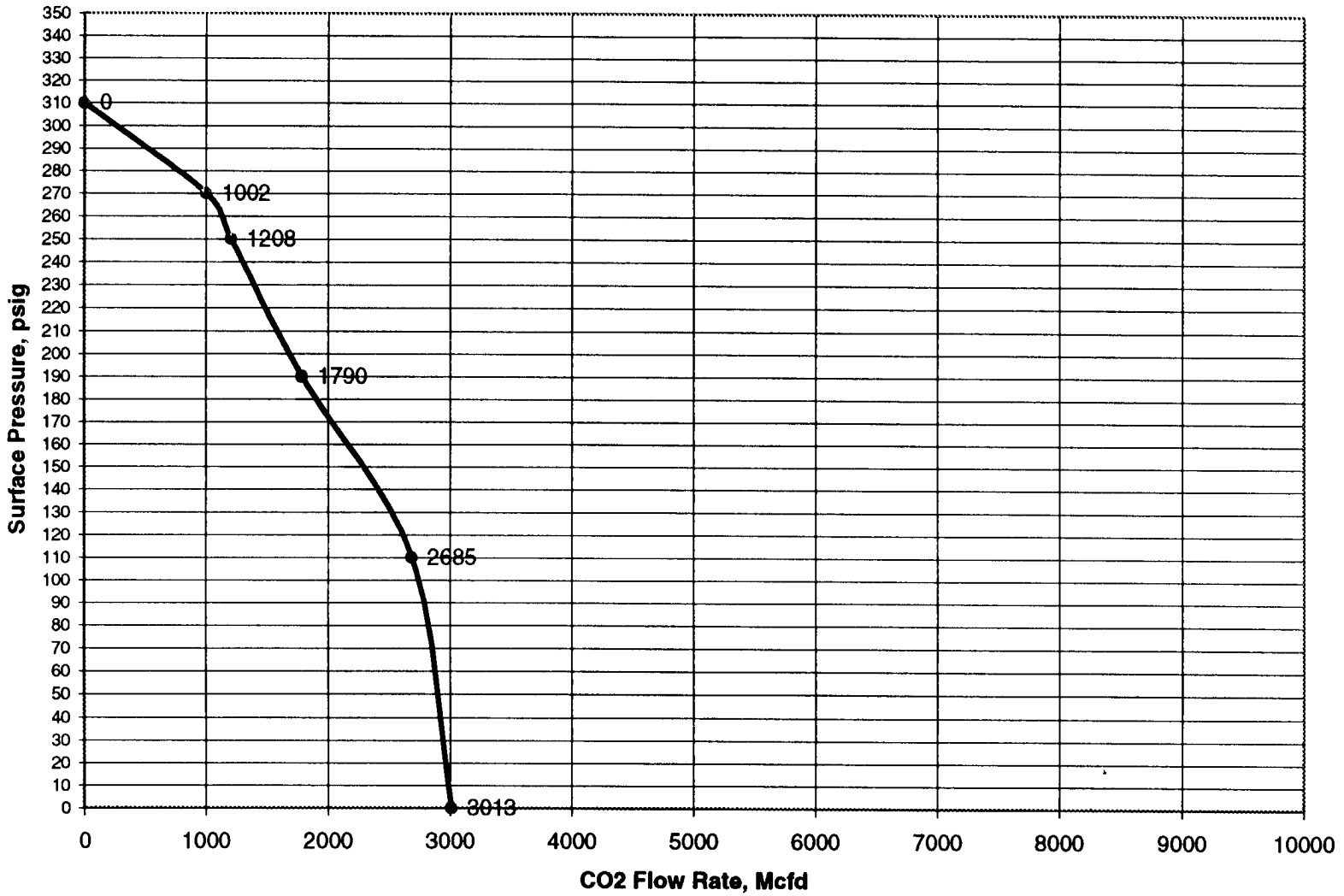
Gary Ford

AMOCO

BRAVO DOME CO2 GAS UNIT WELL NO. 2135181K.XLS

7/24/95

GAS WELL BACK PRESSURE TEST - ABSOLUTE OPEN FLOW



GAS WELL BACK PRESSURE TEST INFLOW PERFOMANCE