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	7/2/98	30-059-20377

Company	Connection	RTU Number
Amoco Exploration & Production	Bravo Dome CO2 Plant	4113

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
5/15/98	2315	2300	4656 KB	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia.	Set At	Perforations	Well Number
5.50	14.0	5.012	2310	From 2095 To 2246	1935-292-E

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. 29, T-19, 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
2300	2300	1.5192	100	0	0		ORIFICE	4 inch	FLANGE

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						168				24 hour
1.						159				60 MIN
2.						150				60 MIN
3.						141				60 MIN
4.						132				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.							1233	3.0910
2.							1800	3.2552
3.							2383	3.3772
4.							2950	3.4698
5.							6596	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 209.012 Pc^2 43,686

NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2 Log(10)
SI		209.0	43,686	0	
1.		199.8	39,911	3,775	3.5770
2.		190.7	36,350	7,336	3.8654
3.		182.1	33,167	10,519	4.0220
4.		174.0	30,291	13,395	4.1269
5.					

(1) Pc^2 / (P c^2 - P w^2) 4th test point 3.261

(2) | P c^2 / |Pc^2-Pw^2| ^n 4th test point 2.236

Q | P^2 / |Pc^2-Pw^2| ^n (4th test point) = 6,596 AOF

Absolute Open Flow 6,596 Mcfd @ 15.025

Angle of Slope 55.76 Slope, n = 0.681 (Cotangent)

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Automation	Spreadsheet	Michael Preston

M.W.Preston - AOF_TEST.XLS