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	7/4/98	30-059-20378

Company	Connection	RTU Number
Amoco Exploration & Production	Bravo Dome CO2 Plant	4112

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
5/14/98	2355	2337	4690 KB	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia.	Set At	Perforations	Well Number
5.50	14.0	5.012	2347	From 2114 To 2282	1935-302-E

Tbg. Size	Wt.	Tbg. Inside Dia.	Set At.	Perforations	Unit Sec. Twp. Rge.
3.50	FG	2.95	2078	From n/a To n/a	SEC. 30, T-19, R-35

Type well - Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	2078	Union

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

Flow Channel, L	Depth, H	Gg	%CO2	%N2	%H2S		Prover	Meter Run	Taps
2337	2337	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						174				24 hour
1.						164				60 MIN
2.						151				60 MIN
3.						140				60 MIN
4.						128				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.							700	2.8451
2.							1113	3.0463
3.							1538	3.1868
4.							1950	3.2900
5.							6973	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 216.0074 — Pc^2 46,659

NO.	Pt^2	Pw	Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2 Log(10)
SI		216.0	46,659	0	
1.		207.4	43,005	3,655	3.5628
2.		197.3	38,935	7,724	3.8878
3.		192.0	36,859	9,800	3.9912
4.		189.3	35,823	10,836	4.0349
5.					

(1) Pc^2 / P c^2 - P w^2 — 4th test point 4.306

(2) | P c^2 / | Pc^2-Pw^2 | ^n — 4th test point 3.576

4th test point: Q | P^2 / |Pc^2-Pw^2| ^n = 6,973 = AOF

Absolute Open Flow 6,973 Mcfd @ 15.025 — Angle of Slope 48.89 — Slope, n = 0.873 (Cotangent)

Remarks:

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

M.W.Preston - AOF_TEST.XLS