NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-63

Type Test	Test Date	API Number
[X] Initial [ ] Annual [ ] Special	8/10/98	30-059-20379

Company	Connection	RTU Number
Amoco Exploration & Production	Bravo Dome CO2 Plant	4045

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
6/9/98	2390	2376	4767 KB	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations	Well Number
5.50	14.0	5.012	2386	From 2178 To 2118	1934-352-X

Tbg. Size	Wt.	Tbg. Inside Dia	Set At.	Perforations	Unit Sec. Twp. Rge.
3.50	FG	2.95	2155	From n/a To n/a	SEC. 35, T-19, R-34

Type well -Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	2151	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
2376	2376	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						181				24 hour
1.						179				60 MIN
2.						172				60 MIN
3.						158				60 MIN
4.						121				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.							181	2.2577
2.							808	2.9074
3.							1455	3.1629
4.							2347	3.3705
5.							9462	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 = 224.1687 Pc^2 50,252

NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2 Log(10)
SI		224.2	50,252	0	
1.		222.0	49,287	965	2.9845
2.		217.8	47,431	2,821	3.4504
3.		211.8	44,841	5,410	3.7332
4.		194.1	37,690	12,561	4.0990
5.					

(1) $\frac{Pc^2}{Pc^2 - Pw^2}$ 4th test point 4.000

(2) $\left|\frac{Pc^2}{Pc^2 - Pw^2}\right|^{n}$ 4th test point 4.032

4th test point

$Q \left|\frac{P^2}{Pc^2 - Pw^2}\right|^{n}$ = 9,462 = AOF

Absolute Open Flow	9,462	Mcfd @ 15.025	Angle of Slope	44.84	Slope, n =	1.006 (Cotangent)

Remarks:

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