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	8/14/98	30-059-20366

Company	Connection	RTU Number
Amoco Exploration & Production	Bravo Dome CO2 Plant	4111

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
6/1/98	2390	2372	4738 KB	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations		Well Number
5.50	14.0	5.012	2382	From 2147	To 2316	1934-252-K

Tbg. Size	Wt.	Tbg. Inside Dia	Set At.	Perforations		Unit Sec. Twp. Rge.
3.50	FG	2.95	2127	From n/a	To n/a	SEC. 25, T-19, R-34

Type well -Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	2123	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
2372	2372	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						176				24 hour
1.						174				60 MIN
2.						168				60 MIN
3.						158				60 MIN
4.						119				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.							310	2.4914
2.							700	2.8451
3.							1150	3.0607
4.							2159	3.3343
5.							5185	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 = 218.3392 Pc^2 47,672

NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2 Log(10)
SI		218.3	47,672	0	
1.		216.5	46,890	782	2.8933
2.		212.0	44,961	2,711	3.4332
3.		206.1	42,467	5,205	3.7164
4.		185.3	34,335	13,337	4.1251
5.					

(1) $\frac{Pc^2}{P c^2 - P w^2}$ ^n 4th test point 3.574

(2) $\frac{P c^2}{|Pc^2-Pw^2|}$ ^n 4th test point 2.401

Q $\frac{P^2}{|Pc^2-Pw^2|}$ ^n 4th test point 5,185 = AOF

Absolute Open Flow	5,185	Mcfd @ 15.025	Angle of Slope	55.48	Slope, n =	0.688 (Cotangent)

Remarks:

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