

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

Form C-122
 Revised 9-1-93

Type test: ☒ Initial ☐ Annual ☐ Special						Test Date: 8/28/98		API Number: 30-059-20374	
Company: Amoco Exploration & Production				Connection: Bravo Dome CO2 Plant				RTU Number: 2001	
Pool: N/A				Formation: Tubb				Unit: BDCDGU	
Completion Date: 6/2/98		Total Depth: 2217		Plug Back Depth: 2207		Elevation: 4572 KB		Farm or Lease Name: Bravo Dome	
Csg. Size: 5.50	Wt. 14.0	Csg. Inside Dia: 5.012	Set At: 2218	Perforations: From 2050 To 2162		Well Number: 1935-212-H			
Tbg. Size: 3.50	Wt. FG	Tbg. Inside Dia: 2.95	Set At: 2033	Perforations: From n/a To n/a		Unit Sec. Twp. Rge. SEC. 21, T-19, R-35			
Type well -Single-Bradenhead-G.G. or G.O. Multiple: Single						Packer Set At: 2029		County: Union	
Producing Through: Tubina		Reservoir Temp. F: 95		Mean Annual Temp. F: 60		Baro. Press. - PSIA: 12.2		State: New Mexico	
Flow Channel, L: 2207	Depth, H: 2207	Gg: 1.5192	%CO2: 100	%N2: 0	%H2S: 0	Prover: ORIFICE	Meter Run: 4 inch	Taps: 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						170				24 hour
1.						166				60 MIN
2.						157				60 MIN
3.						146				60 MIN
4.						125				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.							480		2.6812
2.							1030		3.0128
3.							1430		3.1553
4.							2020		3.3054
5.							6514		AOF

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon <td>N/A Deg.</td>	N/A Deg.
2.					Specific Gravity Separator Gas <td>N/A</td>	N/A
3.					Specific Gravity Flowing Fluid <td>1.5192</td>	1.5192
4.					Critical Pressure <td>1072 P.S.I.A.</td>	1072 P.S.I.A.
5.					Critical Temperature <td>548 R</td>	548 R

Pc = 211.3438	Pc^2 = 44,666	(1) 4th test point	(2) 4th test point
NO.	Pw^2	Pw	Pc^2 - Pw^2
SI			
1.	211.3	44,666	0
2.	208.0	43,278	1,388
3.	203.1	41,243	3,423
4.	197.2	38,905	5,761
5.	187.9	35,296	9,370

Absolute Open Flow: 6,514 Mcfd @ 15,025		Angle of Slope: 53.14	Slope, n = 0.750 (Cotangent)
---	--	-----------------------	------------------------------

Remarks:

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