

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

Form C-122
Revised 9-1-63

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 8/2/98		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-Braehead-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	Staf. 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)	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd		
SI						Values	Log(10)	
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	N/A Deg.
2.					Specific Gravity Separator Gas	N/A
3.					Specific Gravity Flowing Fluid	1.5192
4.					Critical Pressure	1072 P.S.I.A.
5.					Critical Temperature	548 R

Pc = 211.3438	Pc^2 = 44,666	(1) 4th test point	(2) 4th test point
NO.	Pi^2	Pw	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

Pc^2 - Pw^2		Pc^2 - Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2
NO.	Pi^2	Pw	Pw^2	Pc^2 - Pw^2	Pc^2 - Pw^2
SI					
1.	211.3	44.666	0	166.634	166.634
2.	208.0	43.278	1.388	166.246	166.246
3.	203.1	41.243	3.423	165.817	165.817
4.	197.2	38.905	5.761	165.356	165.356
5.	187.9	35.296	9.370	164.860	164.860

4th test point		4th test point	
Q P^2 ^n	6,514	=	AOF
Pc^2 - Pw^2			

Absolute Open Flow 6,514	Mcf/d @ 15.025	Angle of Slope 53.14	Slope, n = 0.750 (Cotangent)
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Remarks:

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