

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 7/1/98		API Number 30-059-20375		
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant			RTU Number 4115		
Pool N/A				Formation Tubb			Unit BDCDGU		
Completion Date 5/12/98		Total Depth 2253		Plug Back Depth 2237		Elevation 4574 KB		Farm or Lease Name Bravo Dome	
Csg. Size 5.50		Wt. 14.0		Csg. Inside Dia. 5.012		Set At 2247		Perforations From 2047 To 2200	
Tbg. Size n/a		Wt. n/a		Tbg. Inside Dia. n/a		Set At n/a		Perforations From n/a To n/a	
Type well -Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At n/a			County Union	
Producing Through Casing		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2		State New Mexico	
Flow Channel, L 2237		Depth, H 2237		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.	
SI						174			
1.						164			
2.						157			
3.						149			
4.						140			
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.							1253	3.0980
2.							1805	3.2564
3.							2373	3.3753
4.							2925	3.4661
5.							7773	AOF

NO.	P r	Temp. °R	T r	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 216.0074		Pc^2 46,659				(1) 4th test point		(2) 4th test point	
NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2	Pc^2	3.568	P c^2 ^n	2.657
SI		216.0	46.659	0	Log(10)	P c^2 - P w^2		Pc^2-Pw^2	
1.		205.6	42,290	4,369	3.6404				
2.		198.8	39,535	7,124	3.8527				
3.		190.8	36,414	10,245	4.0105				
4.		183.3	33,582	13,078	4.1165				
5.									

Absolute Open Flow 7,773		Mcf/d @ 15.025		Angle of Slope 52.46		Slope, n = 0.768 (Cotangent)	
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Remarks:			
Approved By Commission:		Conducted By: Automation	
Calculated By: Spreadsheet		Checked By: Michael Preston	