

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		Well Number 1935-272-E			
Tbg. Size n/a	Wt. n/a	Tbg. Inside Dia. n/a	Set At n/a	Perforations From n/a To n/a		Unit Sec. Twp. Rge. SEC. 27, T-19, R-35			
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	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	216.0074	Pc^2	46,659
NO.	P t^2	Pw	P w^2
SI		216.0	46.659
1.		205.6	42.290
2.		198.8	39.535
3.		190.8	36.414
4.		183.3	33.582
5.			

(1) 4th test point		(2) 4th test point	
Pc^2	3.568	P c^2 ^n	2.657
P c^2 - P w^2		P c^2 - P w^2	
4th test point		Q P^2 ^n	
		7,773 = AOF	

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
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