

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 7/2/98		API Number 30-059-20377		
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant			RTU Number 4113		
Pool N/A				Formation Tubb			Unit BDCDGU		
Completion Date 5/15/98		Total Depth 2315		Plug Back Depth 2300		Elevation 4656 KB		Farm or Lease Name Bravo Dome	
Csg. Size 5.50	Wt. 14.0	Csg. Inside Dia. 5.012	Set At 2310	Perforations From 2095 To 2246		Well Number 1935-292-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. 29, 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 2300	Depth, H 2300	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	Stat. Press psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI					168				24 hour
1.					159				60 MIN
2.					150				60 MIN
3.					141				60 MIN
4.					132				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.							1233	3.0910	
2.							1800	3.2552	
3.							2383	3.3772	
4.							2950	3.4698	
5.							6596	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	209.012	Pc^2	43,686
NO.	P w^2	Pw	P w^2
SI		209.0	43,686
1.		199.8	39,911
2.		190.7	36,350
3.		182.1	33,167
4.		174.0	30,291
5.			

(1) 4th test point Pc^2 3.261 P c^2 - P w^2		(2) 4th test point P c^2 2.236 P c^2 - P w^2	
4th test point Q P^2 ^n 6,596 = AOF Pc^2-Pw^2			

Absolute Open Flow 6,596	Mcf @ 15.025	Angle of Slope 55.76	Slope, n = 0.681 (Cotangent)
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Remarks:

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