

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 8/14/98		API Number 30-059-20366		
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant			RTU Number 4111		
Pool N/A				Formation Tubb			Unit BDCDGU		
Completion Date 6/1/98		Total Depth 2390		Plug Back Depth 2372		Elevation 4738 KB		Farm or Lease Name Bravo Dome	
Csg. Size 5.50	Wt. 14.0	Csg. Inside Dia 5.012	Set At 2382	Perforations From 2147 To 2316		Well Number 1934-252-K			
Tbg. Size 3.50	Wt. FG	Tbg. Inside Dia 2.95	Set At 2127	Perforations From n/a To n/a		Unit Sec. Twp. Rge. SEC. 25, T-19, R-34			
Type well -Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At 2123		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 2372	Depth, H 2372	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						176			
1.						174			
2.						168			
3.						158			
4.						119			
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.							310 2.4914
2.							700 2.8451
3.							1150 3.0607
4.							2159 3.3343
5.							5185 AOF

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

Pc = 218.3392		Pc^2 = 47.672				(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 Log(10)	Pc^2	3.574	Pc^2 ^n	2.401
SI		218.3	47.672	0		Pc^2 - P w^2		Pc^2 - Pw^2	
1.		216.5	46.890	782	2.8933				
2.		212.0	44.961	2.711	3.4332				
3.		206.1	42.467	5.205	3.7164				
4.		185.3	34.335	13.337	4.1251				
5.									

4th test point		Q P^2 ^n		5,185 = AOF	
Pc^2 - Pw^2					

Absolute Open Flow 5,185		Mcf/d @ 15.025		Angle of Slope 55.48		Slope, n = 0.688 (Cotangent)	
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Remarks:			

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