

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: 3/11/98		API Number: 30-059-20367		
Company: Amoco Exploration & Production				Connection: Bravo Dome CO2 Plant			RTU Number: 1044		
Pool: N/A				Formation: Tubb			Unit: BDCDGU		
Completion Date: 6/9/98		Total Depth: 2410		Plug Back Depth: 2396		Elevation: 4742 KB		Farm or Lease Name: Bravo Dome	
Csg. Size: 5.50		Wt.: 14.0		Csg. Inside Dia: 5.012		Set At: 2404		Perforations: From 2140 To 2326	
Tbg. Size: 3.50		Wt.: FG		Tbg. Inside Dia: 2.95		Set At: 2123		Perforations: From n/a To n/a	
Type well -Single-Bradenhead-G.G. or G.O. Multiple: Single					Packer Set At: 2115		Well Number: 1934-263-L		
Producing Through: Tubina		Reservoir Temp, F: 95		Mean Annual Temp, F: 60		Baro. Press. - PSIA: 12.2		Unit Sec. Twp. Rge.: SEC. 26. T-19. R-34	
Flow Channel, L: 2396		Depth, H: 2396		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					175				24 hour
1.					170				60 MIN
2.					161				60 MIN
3.					154				60 MIN
4.					119				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	
						Values	Log(10)
SI						0	
1.						414	2.6170
2.						1068	3.0286
3.						1400	3.1461
4.						2431	3.3858
5.						16954	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 = 217.1733 Pc^2 = 47,164			
NO.	P w^2	Pw	Log(10)
SI		217.2	47,164
1.		212.3	45,085
2.		208.3	43,389
3.		206.0	42,419
4.		194.9	37,992
5.			

(1) 4th test point: Pc^2 = 5.142		(2) 4th test point: Pc^2 = 6.974	
4th test point: Q P^2 ^n = 16,954 = AOF			

Absolute Open Flow: 16,954 Mcfd @ 15.025		Angle of Slope: 40.13		Slope, n = 1.186 (Cotangent)	
Remarks:					

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