

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 3/14/98		API Number 30-059-20366		
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant			RTU Number 111		
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 Tubing		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.		Temp. °F
SI						176				24 hour
1.						174				60 MIN
2.						168				60 MIN
3.						158				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			
SI						Values	Log(10)		
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	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 = 218.3392		Pc^2 = 47.672	
NO.	P t^2	Pw	P w^2
SI		218.3	47.672
1.		216.5	46.890
2.		212.0	44.961
3.		206.1	42.467
4.		185.3	34.335
5.			

(1) 4th test point		(2) 4th test point	
Pc^2	3.574	Pc^2 - Pw^2	2.401
Pc^2 - Pw^2			
4th test point			
Q P t^2 ^n	5,185	= AOF	
Pc^2 - Pw^2			

Absolute Open Flow 5,185	Mcfd @ 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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