

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 7/4/98		API Number 30-059-20378	
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant		RTU Number 4112	
Pool N/A				Formation Tubb		Unit BDCDGU	
Completion Date 5/14/98		Total Depth 2355		Plug Back Depth 2337		Elevation 4690 KB	
Csg. Size 5.50		Wt. 14.0		Csg. Inside Dia. 5.012		Set At 2347	
Tbg. Size 3.50		Wt. FG		Tbg. Inside Dia. 2.95		Set At 2078	
Type well - Single-Bradenhead-G.G. or G.O. Multiple Single				Packer Set At 2078		County Union	
Producing Through Tubing		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2	
Flow Channel, L 2337		Depth, H 2337		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					174				24 hour
1.					164				60 MIN
2.					151				60 MIN
3.					140				60 MIN
4.					128				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.							700	2.8451	
2.							1113	3.0463	
3.							1538	3.1868	
4.							1950	3.2900	
5.							6973	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.		207.4	43,005
2.		197.3	38,935
3.		192.0	36,859
4.		189.3	35,823
5.			

(1) 4th test point		(2) 4th test point	
Pc^2	4.306	P c^2 ^n	3.576
P c^2 - P w^2		P c^2 - P w^2	
4th test point			
Q	P^2 ^n	6,973	= AOF
P c^2 - P w^2			

Absolute Open Flow	6,973	Mcf/d @ 15.025	Angle of Slope	48.89	Slope, n =	0.873 (Cotangent)
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Remarks:			
Approved By Commission:		Conducted By:	
		Automation	
Calculated By:		Checked By:	
Spreadsheet		Michael Preston	