

**NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 4-4-85							
Company Amoco Production Company				Connection							
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation Tubb		Unit BDCDGU					
Completion Date 1-16-84		Total Depth 2725		Plug Back TD 2700		Elevation 5055					
Csg. Size 7		Wt. 20		Set At 2725		Perforations: From 2439 To 2669					
Tub. Size 3.5		Wt. 9.3		Set At 2441		Perforations: From To					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2410		County Harding					
Producing Thru Tubing		Reservoir Temp. °F 90° @ 2554		Mean Annual Temp. °F 50		Baro. Press. - P <sub>a</sub> 12.2					
L 2554		H 2554		G <sub>g</sub> 1.529		% CO <sub>2</sub> 100					
				% N <sub>2</sub> 0		% H <sub>2</sub> S 0					
				Prover		Meter Run 4.0					
						Taps Flange					
FLOW DATA				TUBING DATA		CASING DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							318				
1.	4.026 x 2.00			215	47	61	227.2	50			24 hr.
2.	4.026 x 2.00			240	27	59	252.2	50			24 hr.
3.	4.026 x 2.00			260	15	60	272.2	50			24 hr.
4.	4.026 x 2.00			281	6	58	293.2	50			24 hr.
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Fl	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd				
1							1703				
2							1373				
3							950				
4							681				
5											
NO.	P <sub>t</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas 1.529    X X X X X X X X X						
3.					Specific Gravity Flowing Fluid X X X X X						
4.					Critical Pressure 1072    P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature 547    R _____ R						
P <sub>c</sub> 330.2    P <sub>c</sub> <sup>2</sup> 109.032											
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9$ (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9$						
1		227.2		57.412	AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3234$						
2		252.2		45.427							
3		272.2		34.939							
4		293.2		23.066							
5											
Absolute Open Flow 3234				Mcfd @ 15.025				Angle of Slope $\theta$ _____		Slope, n 1.00	
Remarks: _____											
Approved By Commission:			Conducted By:			Calculated By: D. D. Kimble			Checked By:		