

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-29-85									
Company Amoco Production Company		Connection									
Pool Bravo Dome <u>Carbon Dioxide Gas</u> Unit <u>640 Acre Area</u>		Formation Tubb									
Completion Date 10/15/84		Total Depth 2572	Plug Back TD 2550								
Elevation 4750 GL		Farm or Lease Name									
Csg. Size 7"	Wt. 20	Set At 2571	Perforations: From 2152 To 2406								
Thg. Size 3.5"	Wt. 9.3	Set At 2043	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2012	Well No. 1934 271G								
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2279	Mean Annual Temp. °F 50								
Baro. Press. - P _a 12.2		Unit Sec. Twp. Rge. G 27 19 34									
L 2279	H 2279	Gg 1.529	% CO ₂ 100								
		% N ₂ 0	% H ₂ S 0								
Prover		Meter Run 4.0	Taps Flange								
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI				318			318	50			
1.	4.026 x 2.750			195	46	55	207.2	50			24 hr
2.	4.026 x 2.750			215	33	57	227.2	50			24 hr
3.	4.026 x 2.750			239	21	59	251.2	50			24 hr
4.	4.026 x 2.750			278	9	60	290.2	50			24 hr
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mc/d				
1							3251				
2							3015				
3							2520				
4							1860				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas <u>1.529</u> X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure <u>1072</u> P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature <u>547</u> R _____ R						
P _c <u>330.2</u> P _c ² <u>109,0</u>											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.649$						
1		207.2		66.100	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.33$						
2		227.2		57.412							
3		251.2		45.931							
4		290.2		24.816	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4324$						
5											
Absolute Open Flow <u>4324</u> Mc/d @ 15.025					Angle of Slope θ _____ Slope, n <u>.57</u>						
Remarks: _____											
Approved By Commission:		Conducted By:		Calculated By:		Checked By:					
				D. D. Kimble							