

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 4-14-85									
Company Amoco Production Company		Connection									
Pool Bravo Dome Unit, Carbon Dioxide Gas Unit, 640 Acre Area		Formation Tubb									
Completion Date 12/13/83		Total Depth 2686	Plug Back TD 2650								
		Elevation 5011	Farm or Lease Name								
Csg. Size 7	Wt. 20	Set At 2654	Perforations: From 2451 To 2610								
Thg. Size 3.5	Wt. 9.3	Set At 2428	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2389	Well No. 2033 151G								
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2531	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2								
L 2531	H 2531	G _g 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. hw	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							298				
1.	4.026 x	1.125		284	1 <	52	286	50			24 hr
2.	4.026 x	1.125		232	4	55	235	50			24 hr
3.	4.026 x	1.125		210	7	56	213	50			24 hr
4.	4.026 x	1.125		192	14	54	195	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1							40				
2							128				
3							164				
4							220				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2					Specific Gravity Separator Gas 1.529						
3					Specific Gravity Flowing Fluid _____						
4					Critical Pressure 1072 P.S.I.A.						
5					Critical Temperature 547 R						
P _r 310.2 P _r ² 96.224											
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.924$						
1		298.2		7.301	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.912$						
2		247.2		35.116							
3		225.2		45.509							
4		207.2		53.292	ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 363.3$						
5											
Absolute Open Flow 363.3 Mcfd @ 15.025					Angle of Slope →		Slope, n .99				
Remarks:											
Approved By Commission:		Conducted By:		Calculated By: D. R. White		Checked By:					