

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									
Company Amoco Production Company		Connection									
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation									
Completion Date 12-30-85	Total Depth 2755	Plug Back TD 2650	Elevation 4843								
Csg. Size 7	Wt. 20	Set At 2754	Perforations: From 2466 To 2604								
Thg. Size 3-1/2	Wt. 9.3	Set At 2330	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2291	Unit BDCDGU								
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2535	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25								
L 2535	H 2535	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. 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	
1.	4.026 x 2.500			180.1	22	52	377				
2.	4.026 x 2.500			150.2	28	54	192.35	52			1.5
3.	4.026 x 2.500			120.6	37	55	162.45	54			1.5
4.	4.026 x 2.500			92.2	52	56	132.85	55			1.5
5.							104.45	56			1.5
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.							1602				
2.							1723				
3.							1810				
4.							1987				
5.											
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0						
1.					A.P.I. Gravity of Liquid Hydrocarbons Mcl/bbl.						
2.					Specific Gravity Separator Gas 1.529						
3.					Specific Gravity Flowing Fluid X X X X X						
4.					Critical Pressure 1072 P.S.I.A.						
5.					Critical Temperature 496 R						
P _c 389.2 P _c ² 143.793											
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²							
1.	192			106.929							
2.	162			117.549							
3.	133			126.104							
4.	104			132.977							
5.											
Absolute Open Flow 2100					Mcf @ 15.025						
Remarks:					Angle of Slope θ						
					Slope, n .72						
Approved by Commission:					Conducted By:						
					Calculated By: Don Kimble						
					Checked By:						