

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 11-19-85	Total Depth 2202	Plug Back TD 2180	Elevation 4440								
Csg. Size 7	Wt. 20	Set At 2201	Perforations: From 2036 To 2134								
Thg. Size 3-1/2	Wt. 9.3	Set At 1877	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 1846	Well No. 1936 311K								
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2085	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25								
L 2085	H 2085	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			182	16	49	325	194.25	49		
2.	4.026 x 2.500			153.3	22	49		165.55	49		1.5
3.	4.026 x 2.500			126	30.5	48		138.25	48		1.5
4.	4.026 x 2.500			97.2	46	47		109.45	47		1.5
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1.							1522				
2.							1639				
3.							1744				
4.							1885				
5.											
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons						
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 337.2 P _c ² 113.704											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1.		194		76.068							
2.		166		86.148							
3.		138		94.660							
4.		109		101.823							
5.											
Absolute Open Flow 2043 Mcfd @ 15.025					Angle of Slope θ						
Remarks:					Slope, n .73						
Approved by Commission:					Conducted By:						
					Calculated By: Don Kimble						
					Checked By:						