

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 2637	Plug Back TD 2550	Elevation 4625								
Csq. Size 7	Wt. 20	Set At 2637	Perforations: From 2424 To 2481								
Thq. Size 3-1/2	Wt. 9.3	Set At 2282	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2252	Unit BDCDGU								
Producing Thru Tubing	Reservoir Temp. °F 90 # 2453	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25								
L 2453	H 2453	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		182.5	22	47	361				
2.	4.026 x	2.500		153.7	26	47	194.75	47			1.5
3.	4.026 x	2.500		124.8	34	47	165.95	47			1.5
4.	4.026 x	2.500		96.8	47	48	137.05	47			1.5
5.							109.05	48			1.5
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.							1600				
2.							1753				
3.							1860				
4.							1926				
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio 0						
1.					A.P.I. Gravity of Liquid Hydrocarbons Mct/bbl.						
2.					Specific Gravity Separator Gas 1.529 Deq.						
3.					Specific Gravity Flowing Fluid X X X X X X X X X X						
4.					Critical Pressure 1072 P.S.I.A.						
5.					Critical Temperature 496 R						
P _c 373.2 P _c ² 139,278											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1.		195		101.253							
2.		166		111.722							
3.		137		120.509							
4.		109		127.397							
5.											
Absolute Open Flow 2070					Mctd @ 15.025						
Remarks:					Angle of Slope 81						
Approved By Commission:					Conducted By:						
					Calculated By: Don Kimble						
					Checked By:						