

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-12
Revised 9-

Type Test ☒ Initial ☐ Annual ☐ Special											
Company DEPCO, INC.				Connection not connected							
Pool Blanco				Formation Meaverde				Unit			
Completion Date 5/17/83				Total Depth 6785'		Plug Back TD 6735'		Elevation 6073' GL		Farm or Lease Name Federal 8	
Cng. Size 5.500		Wt. 15.5#		Set At 6778'		Perforations: From 4330' To 4566'				Well No. 22 (dual)	
Tbg. Size 1.660		Wt. 2.4#		Set At 4525'		Perforations: From To				Unit Sec. Twp. Rge. F 8 26N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						Packer Set At 4650' KB		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps							
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
51											
1.	2"	X	3/4"				1148#		1148#		7 day S
2.							38#	60	360#		3 hrs.
3.											
4.											
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, Mcfd				
1	12.3650		50	1.000	1.000	1.000	618				
2.											
3.											
4.											
5.											
NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 1160 P _c ² 1345600											
NO.	P ₁	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1146$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0848$						
1	2500	372	138384	1207216							
2											
3											
4											
5											
LOG = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 670$											
Absolute Open Flow 670 Mcfd @ 15.025 Angle of Slope 0 Slope, n .75											
Remarks:											
Approved by Commission				Conducted by: Crum				Calculated by: Crum			