

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		7-1-76	
Company				Connection							
Dugan Production Corp.											
Pool				Formation				Unit			
Nipp - PC Extension				Pictured Cliffs							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
6-22-76		1370'		1305'		6272' GR		George Washington			
Csg. Size		Wt.		Set At		Perforations:		Well No.			
2-7/8"		6.4#		1345'		From 1228' To 1242'		1			
Tbg. Size		Wt.		Set At		Perforations:		Unit Sec. Twp. Rge.			
1-1/4"		2.3#		1242'		From Open To Ended		N 35 26N 12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single - Gas								San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State			
Tubing		a						New Mexico			
L		H		G _g		% CO ₂		% N ₂		% H ₂ S	
				.62						Prover	
										Meter Run	
										Taps	
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							229		229		7 days
1.											
2.											
3.	5/8" Pos Choke						38	68°	95		3 hrs
4.											
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											
2											
3	8.5417		50	.9924	.9837	1.000	416				
4											
5											
NO.	P _t	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 _____						
3					Specific Gravity Flowing Fluid _____						
4					Critical Pressure _____ P.S.I.A.						
5					Critical Temperature _____ R						
P _c 241 P _c ² 58,081					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2455$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2868$						
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 535$						
1											
2											
3		107	11,449	46,632							
4											
5											
Absolute Open Flow 535 Mcfd @ 15.025					Angle of Slope @ _____			Slope, n .85			
Remarks: _____											
Approved By Commission:				Conducted By: Charles Hall				Calculated By: Charles Hall			
								Checked By:			