

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		7/10/85	
Company				Connection							
Northwest Pipeline Corporation				New Completion							
Pool				Formation				Unit			
Undesignated				Gallup				Rosa			
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
7/26/84		8090'		8039'		6400' GR		Rosa Unit			
Csg. Size		Wt.		Set At		Perforations:		Well No.			
4.500		11.6		4.052		8090'		From 6444'		To 7520'	
2.375		4.7		1.995		8000'		From		To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple				Packer Set At				County			
Gas - Dual				7277'				Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Annulus		6				12.0		New Mexico			
L		H		G _g Est.		% CO ₂		% N ₂		% H ₂ S	
				.590						Positive Choke	
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	SIP								1970		
1.	2"	x .750"						71°	* 181	71°	3 Hrs.
2.											
3.									* Annular	Flow	
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	9.604		193	990	1.302	1.012	2418				
2.											
3.											
4.											
5.											
NO.	P _r	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		X X X X X X X X X				
3					Specific Gravity Flowing Fluid		X X X X X X X X X				
4					Critical Pressure		P.S.I.A.		P.S.I.A.		
5					Critical Temperature		R		R		
P _c 1982 P _c ² 3928324											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0158$						
1	247	61009	3867315		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0118$						
2	(Calc.)										
3											
4											
5											
Absolute Open Flow 2447 Mcfd @ 15.025 Angle of Slope @ Slope, n .75											
Remarks: Unloaded heavy slug of water cleared to heavy mist throughout test Vented 302 MC											
GI i-e-s FCO ² P ² Pt ² p ² +D+ ² Calc. P _w											
3892 .247 92044 23727 37249 60976 247 psia											
Approved by Commission:				Conducted By:				Calculated By:			
Ross Gallegos				S.K. Liese				Checked By: M.J. Turnbaugh			