

Form C-122
Revised 10-1-78

82 **NEGATIVE**

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		11-29-82	
Company				Connection				JUL 10 1983			
SOUTHLAND ROYALTY COMPANY				NORTHWEST PIPELINE CORPORATION							
Pool				Formation				Unit			
Gavilan				Pictured Cliffs				CON. DIV.			
Completion Date		Total Depth		Plug Back TD		Elevation		Form or Lease Name			
11-10-82		3615'		3587'		7414' GL		Capulin Mesa			
Csq. Size		Wt.		Set At		Perforations:		Well No.			
2.875		6.5#		2.441		3595.71'		From 3489'		To 3552'	
Thq. Size		Wt.		Set At		Perforations:		Unit Sec. Twp. Rye			
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Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single						---		Rio Arriba			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State			
Casing		8				12.2		New Mexico			
L		H		G _g		% CO ₂		% N ₂		% H ₂ S	
				.700						Prover	
										Meter Run	
										Taps	
FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	of Flow
SI									871		
1.	2"	X	3/4"						36		1 hr
2.									43		2 hrs
3.									28		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	12.365		40.2	1.0000	.9258	1.0000	460				
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 _____ XXXXXXXXXX						
3.					Specific Gravity Flowing Fluid _____ XXXXX						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 883.2 P _c ² 780042.2											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0021$						
1		40.2	1616.0	778426.2	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0018$						
2											
3											
4											
5											
Absolute Open Flow 460 Mcfd @ 15.025					Angle of Slope 8				Slope, n .85		
Remarks: wet											
Approved By Division			Conducted By: Dewayne Horton			Calculated By: James Smith			Checked By: R. E. Fielder		