

Form C-122
Revised 9-1-61

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		4-6-78	
Company				Connection							
Southland Royalty Company				Southern Union Gathering Company							
Pool				Formation				Unit			
Blanco				Mesa Verde							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
2-26-78		5521		5465'		6334'		Moore			
Casing Size		Wt.		d		Set At		Perforations:		Well No.	
7.000		20#		6.456		3156'		From 5161' To 5430'		#1A	
4.500		10.50#		4.052		2957-5480					
Tub. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.	
2.375		4.7#		1.995		5389'		From To		P 35-T32N-R12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single						---		San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tbg		p				12.2		New Mexico			
L		H		Gg		% CO ₂		% H ₂		% H ₂ S	
				.700						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							888		856		
1.	2"	X	3/4"				265		788		1 hr
2.							279		772		2 hrs
3.							279		760		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	12.365		291.2	1.0000	.9258	1.0000	3,334				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	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 900.2 P _c ² 810,360					(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 3.7855$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2.7139$						
1		772.2	596,293	214,067							
2											
3											
4											
5											
Absolute Open Flow 9,048 Mcfd @ 15.025					Angle of Slope θ _____					Slope, n .75	
Remarks: _____											
Approved By Commission				Conducted By: Charles Saiz				Calculated By: James Smith			
								Checked By: _____			

52.94

x

37.2

19,793.68