

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-7-78			
Company Southland Royalty Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesa Verde			
Completion Date 8-31-78		Total Depth 5845'		Plug Back TD 5844'		Elevation 6411' GL 6423' KB	
Casing Size 7.000		WT. 20.00#		Set At 3380		Perforations: From CH 4669 To 5166	
4.500		10.50#		3252-5845			
Tub. Size 2.375		WT. 4.70#		Set At 5711' KB		Perforations: From PL 5270 To 5696	
		1.995					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3380'		Farm or Lease Name Mark Maddox	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
L		H		G _g		Unit Soc. Twp. Rge. J 15 32N 11W	
				.700		County San Juan	
				% CO ₂		State New Mexico	
				% N ₂		Prover	
				% H ₂ S		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											
1.	2" X 3/4"						717				
2.							288				
3.							277				
4.							271				
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1	12.365		283.2	1.0000	.9258	1.0000	3242
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mscf/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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1776$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1305$
1		283.2	80,202	451,531		
2						
3						
4						
5						

Absolute Open Flow 3665				Held @ 15.025		Angle of Slope θ _____		Slope, n .75		
Remarks: _____										
Approved By Commission			Conducted By Bob Shindledecker			Calculated By James Smith			Checked By C. Parsons	