

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-11-79	
Company Southland Royalty Company				Connection Southern Union Gathering			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 8-4-79		Total Depth 5225'		Plug Back TD 5222'		Elevation 6198' GR	
						Farm or Lease Name Grenier	
Csg. Size 7.000. 4.500		Wt. 23# 10.5#		Set At 6.366 4.052		Perforations: From 2788' To 2803'	
Tbg. Size 1.900		Wt. 2.76#		Set At 1.610 2930'		Well No. 4-A	
						Unit Sec. Twp. Rge. M 7 31N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple						Packer Set At 2954'	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
						State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
		.700					

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.	
SI							730		730	
1.	2"	X	3/4"				65		225	1 hr
2.							43		163	2 hrs
3.							34		139	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		46.2	1.0000	.9258	1.0000	529
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____ X X X X X X X X	
2.					Specific Gravity Flowing Fluid _____ X X X X X	
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		151.2	22,861	528,000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0433}{1.0433 - 1.0433} = 1.0433$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{1.0433}{1.0433 - 1.0433} \right]^n = 1.0367$

AOF = O $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 548$

Absolute Open Flow	548	Mcf/d @ 15.025	Angle of Slope @	Slope n .85
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Remarks:

Approved By Commission:	Conducted By: Mick Ferrari	Calculated By: James Smith	Checked By:
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