

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-28-78			
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 3-11-78		Total Depth 5133'		Plug Back TD 5035'		Elevation 5993' GR		Farm or Lease Name East	
Comp. Size 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 2794' 2597-5076	Perforations: From 4770' To 5025'		Well No. 4A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5014'	Perforations: From - To -		Unit Sec. Twp. Rge. E-24-31N-12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ---		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State New Mexico	
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run	Pipe

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							897		950	
1.	2"	X	3/4"				327		726	1 hr
2.							302		657	2 hrs
3.							276		610	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		288.2	1.0000	.9258	1.0000	3,299
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	
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) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		622.2	387,133	538,696	1.7186	1.5010
2						
3						
4						
5						

Absolute Open Flow 4,952 Mcfd @ 15.025 Angle of Slope 75

Remarks: _____

Approved by Commission:	Conducted by: Jim Choquette	Calculated by: James Smith	Checked by:
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