

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-2-78			
Company Southland Royalty Company				Connection Southern Union Gathering Company			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 6-4-78		Total Depth 5650'		Plug Back TD 5613'		Elevation 6489'	
Farm or Lease Name Decker		Well No. 2 A		Unit I		Sec. Twp. Rge. 26 32N 12W	
Csg. Size 7.000 4.500		Wt. 20# 10.5#		d 6.456 4.052		Set At 3328' 3174-5638'	
Perforations: From 2968' To 3077'		Perforations: From To		Perforations: From To		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple		Packer Set At		County San Juan		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F Ø		Mean Annual Temp. °F 12.2		Baro. Press. - P _a 12.2	
L		H		Gg .700		% CO ₂ % N ₂ % H ₂ S	
Prover		Meter Run		Taps			
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2" x 3/4"						
2.							
3.							
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		195.2	1.0000	.9258	1.0000	2235
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		
P _r 884.2 P _c 2781,810							
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 13.2578$		
1.		850.2	722,840	58,970	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 8.9970$		
2.							
3.							
4.							
5.							
Absolute Open Flow 20,108 Mcfd @ 15.025					Angle of Slope Ø		Slope, n .85
Remarks:							
Approved By Commission		Conducted By Jim Bacon		Calculated By James Smith		Checked By	