

Form C-122
Revised 10-1-78

SANTA FE, NEW MEXICO 87501

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-22-80	
Company Southland Royalty Company		Connection Southern Union Gathering	
Pool Undesignated		Formation Fruitland	
Completion Date 7-8--80		Total Depth 7365'	Plug Back TD 7326'
		Elevation 6167' GR	Farm or Lease Name Richardson
Csg. Size 7.000 4.500	Wt. 23# 10.5#	d 6.366 4.052	Set At 4864' 4709'-7362'
Perforations:		Well No. #9E	
Tng. Size 1.900	Wt. 2.76#	d 1.610	Set At 2424'
Perforations:		Unit Sec. Twp. Rye. L 15 - 31N - 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG-Multiple		Packer Set At 4761'	County San Juan
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P_a 12.2
		State New Mexico	
L	H	Gg .700	% CO₂
		% N₂	% H₂S
		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.	
SI							841		842	
1.	2" X 3/4"						72		216	1 Hour
2.							49		164	2 Hours
3.							41		140	3 Hours
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		53.2	1.0000	.9258	1.0000	609
2.							
3.							
4.							
5.							

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

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\hspace{2cm}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\hspace{2cm}}$
1		152.2	23164.8	706492.8		
2						
3						
4						
5						

Absolute Open Flow 626 Mcfd @ 15.025 Angle of Slope ° Slope, n .85

Remarks: _____

Approved By Division	Conducted By: Tom Wagner	Calculated By: James Smith	Checked By: L. O. Van Ryan
----------------------	-----------------------------	-------------------------------	-------------------------------