

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-20-78			
Company Southland Royalty Company				Connection Southern Union Gathering			
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit	
Completion Date 12-8-77		Total Depth 1947'		Plug Back TD 1916'		Elevation 5617' GR	
Csg. Size 2.875		Wt. 6.4#		Set At 1947'		Perforations: From 1750' To 1774'	
Tbg. Size ---		Wt. ---		Set At ---		Perforations: From --- To ---	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
L		H		Gg		Meter Run	
				.700			
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2"	X	3/4"				1 hr
2.							2 hrs
3.							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		33.2	1.0000	.9258	1.0000	380
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	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 _c 161.2 P _c ² 25,985					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0443$		
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0375$		
1.		33.2	1102	24,883			
2.							
3.							
4.							
5.							
Absolute Open Flow 394					Mcf @ 15.025		Angle of Slope θ
							Slope, n .85
Remarks:							
Approved By Commissioner		Conducted By Mick Ferrari		Calculated By James Smith		Checked By	

