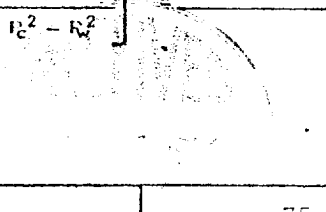


Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-18-78			
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 11-22-77		Total Depth 7271		Plug Back TD 7120		Elevation 6027' GR		Farm or Lease Name Nye	
Gr. Size 7.000	Wt. 23#	d 6.366	Set At 5411	Perforations: From 4831' To 5104'		Well No. #3A			
4.500	11.6#	d 4.000	Set At 5255-7270						
Tg. Size 1.900	Wt. 2.75#	d 1.610	Set At 5086	Perforations: From To		Unit Sec. Twp. Rge. P 1-30N-11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple						Packer Set At ---		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F θ		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	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.	Temp. °F	
1.	2"	X	3/4"				895		1029		1 hr
2.							162		925		2 hrs
3.							152		917		3 hrs
4.							150		902		
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, Mscf/d
1	12.365		162.2	1.0000	.9258	1.0000	1857
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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 _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 4.3655$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 3.0201$
1		914.2	835,762	248,335	$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 5608$	
2						
3						
4						
5						

Absolute Open Flow 5608		Mcf @ 15,025		Angle of Slope θ		Slope, n .75	
Remarks:							

Approved By Commission	Conducted By Jim Choquette	Calculated By James Smith	Checked By 
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