

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 9-25-79			
Company Southland Royalty Company				Connection Gas Company of New Mexico				
Pool Blanco				Formation Mesa Verde				Unit
Completion Date 9-18-79		Total Depth 6277'		Plug Back TD 6220'		Elevation 7027' GR		Farm or Lease Name Jicarilla 101
Csg. Size 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 4002 3870-6277	Perforations: From 5545' To 6100'			Well No. 6	
Tbg. Size 2.375	Wt. 4.70#	d 1.995	Set At 6087	Perforations: From --- To ---			Unit Sec. Twp. Rge. L 1 26N 4W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single					Packer Set At ---		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg	% 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.	
SI							1135		1145	
1.									9.5#	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1					PITOT TUBE	TEST GAUGED	1917
2.							
3.							
4.							
5.							

NO.	R _f	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 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 _c ²	P _w ²	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \text{_____}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
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Remarks: _____			
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Approved By Commission:	Conducted By: Dwayne Horton	Calculated By: James Smith	Checked By:
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