

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 8-30-79	
Company Southland Royalty Company				Connection Gas Company of New Mexico		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 8-23-79		Total Depth 6093'		Plug Back TD 6052'		Elevation 6896' GR
Farm or Lease Name Arizona Jicarilla "B"		Well No. 5-R				
Perforations: From 5170 To 5734'	Well No. 5-R					
Perforations: From ---- To ----	Unit Sec. Twp. Rge. N 10 26N 5W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 5139'		County Rio Arriba
Producing Thru		Reservoir Temp. °F 8		Mean Annual Temp. °F		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							846		887	
1.							2#			24 hrs
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					Pitot Tube	Gauge	869
2.							
3.							
4.							
5.							

NO.	P _t	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

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

(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$ _____

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____
Remarks: _____	

Approved By Commission:	Conducted By: Donnie Thompson	Calculated By: James Smith	Checked By:
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