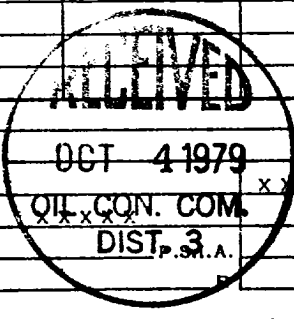


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-24-79	
Company Southland Royalty Company				Connection Gas Company of New Mexico			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 9-17-79		Total Depth 6215'		Plug Back TD 6120'		Elevation 7072' GR	
Farm or Lease Name Jicarilla 101		Well No. 8		Csg. Size 7.000 4.500		Wt. 20# 10.50#	
Perforations: From 5572' To 6070'		Set At 4092' 3934-6215'		d 6.456 4.052		Csg. Size 2.375 4.70#	
Perforations: From -- To --		Set At 6072'		Wt. 1.995		Unit Sec. Twp. Rge. N 12 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 4040'		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F 9		Mean Annual Temp. °F 12.2		State New Mexico	
L		H		Gg		Prover	
				.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
SI							
1.	2"		3/4"			987	3 hrs
2.						320	
3.						280	
4.						268	
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		280.12	1.0000	.9258	1.0000	3208
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	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.							
P _c 999.2 P _c ² 998,401					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0853$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0633$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3411$		
1		280.2	78,512	919,889			
2							
3							
4							
5							
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks: _____							
Approved By Commission:		Conducted By: Dwayne Horton		Calculated By: James Smith		Checked By: 	