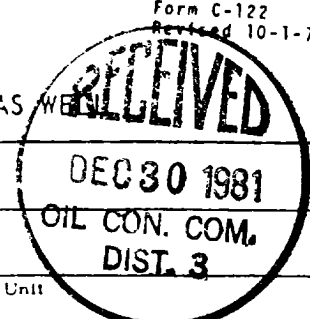


OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/09/81	
Company Southland Royalty Company				Connection Northwest Pipeline Corporation			
Pool Blanco				Formation Pictured Cliffs Extension			
Completion Date 11-20-81		Total Depth 4185'		Plug Back TD 4142'		Elevation 7153' GL	
Farm or Lease Name Ruben Canyon							
Csq. Size 4.500	Wt. 10.5#	d 4.052	Set At 4185'	Perforations: From To		Well No. 1	
Tng. Size 1.900	Wt. 2.9#	d 1.610	Set At 4079'	Perforations: From 4048' To 4112'		Unit Sec. Twp. Rge. E 35 30N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
State New Mexico							
L	H	Gq .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	
SI							1100		1100		
1.	2"	X	3/4"				160		537		1 hr
2.							125		458		2 hrs
3.							97		474		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		109.2	1.0000	.9258	1.0000	1250
2.							
3.							
4.							
5.							

NO.	P _r	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 _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2362$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1975$
1		486.2	236390.4	100058.4		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1497$

Absolute Open Flow	1497	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:			
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Approved By Division	Conducted By: Steve McCament	Calculated By: James Smith	Checked By: L. O. Van Ryan
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