

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

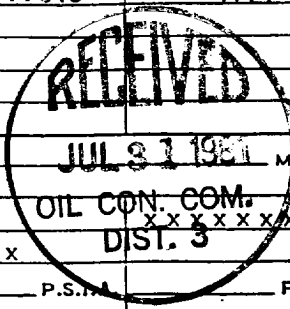
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-06-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Gobernador				Formation Pictured Cliffs	
Completion Date 6-21-81		Total Depth 6163'		Plug Back TD 3830'	
		Elevation 6755'		Farm or Lease Name San Juan 29-5 Unit	
CS: 7.000 4.500	WI: 20.0 10.5	d: 6.456 4.052	Set At 4060' 3860'-6163'	Perforations: From 3602' To 3773'	
Trg. Size 1.660	WI: 2.33	d: 1.380	Set At 3740'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3830'	
Producing Thru Tubing		Reservoir Temp. °F s		Mean Annual Temp. °F	
		Baro. Press. - P _a 12.0		County Rio Arriba	
L H		G _g est. .620		% CO ₂ % N ₂ % H ₂ S	
				positive choke 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							1110		1107		SIP
1.	2"	X	.750	130		47°	130		715		3 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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		142	1.013	1.270	1.013	1777
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										



P _c 1122	P _c ² 1258884	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7237$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5885$
NO.	P _t ²	P _w	P _w ²
1		727	528529
2			
3			
4			
5			

Absolute Open Flow 2823 Mcfd @ 15.025		Angle of Slope @	Slope, n .85
Remarks: Well produced very light mist of water throughout test. Vented 250 MCF.			

Approved By Commission:	Conducted By: Ross Gallegos	Calculated By: B.J. Broughton	Checked By: 
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BJB/ SKW