

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 6-30-81	
Company Northwest Pipeline Corporation						Connection New Completion	
Pool Gobernador						Formation Pictured Cliffs	
Completion Date 6-05-81		Total Depth 6310'		Plug Back TD 3970'		Elevation 6904'	
Farm or Lease Name San Juan 29-5 Unit						Unit San Juan 29-5	
Csg. Size 4.500	Wt. 20.9	d 4.456	Set At 3992-6308	Perforations: From 3793' To 3934'		Well No. #101 PC	
Tub. Size 1.660	Wt. 2.3	d 1.380	Set At 3866'	Perforations: From To		Unit Sec. Twp. Rge. B 26 29N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion						Packer Set At 3970'	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g est. .620		% CO ₂ % N ₂ % H ₂ S	
						Prover positive choke	
FLOW DATA						TUBING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2"	X	.750	36		54°	36
2.							
3.							
4.							
5.							
Casing Data							
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	9.604		48	1.006	1.270	1.003	591
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 Hydrocarbon _____ Deg.		
2.					Specific Gravity Separator _____ X X X X X X X X		
3.					Specific Gravity Flowing _____ X X X X		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
P _c 1119 P _c ² 1252161							
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0741$		
1		294	86436	1165725	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0627$		
2							
3							
4							
5							
Absolute Open Flow 628 Mcfd @ 15.025					Angle of Slope e		Slope, n .85
Remarks: Produced light mist of water with a trace of condensate. Vented 130 MCF.							
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: R. J. Broughton		Checked By: B. R.	