

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 9-03-81	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 8-19-81		Total Depth 8067'	Plug Back TD 8060'
Elevation 6513'		Farm or Lease Name San Juan 30-5 Unit	
Cs, 0.000	Wt. 20.0	d 6.456	Set At 3874'
4.500	10.5	4.052	8067'
Perforations: From 7932' To 8038'		Well No. #79	
Log Size 2.375	Wt. 4.7	d 1.995	Set At 7936'
Perforations: From To		Unit Sec. Twp. Rye. B 5 30N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
State New Mexico		Meter Run Taps	
L	H	Gg est. .60	% CO ₂ % N ₂ % H ₂ S
		Proveitive choke	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flow 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							2492		2473		SIP
1.	2"	X	.750"	180		82	180		758		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. ¹	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		192	.980	1.291	1.014	2366
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 _r 2504	P _c ² 6270016	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1044$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0773$
NO. 1	P ₁ ² 770	P _w ² 592900	P _c ² - P _w ² 5677116
2.			
3.			
4.			
5.			

Absolute Open Flow 2,549		Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Produced heavy mist of water throughout test. Vented 365 MCF/D.				
Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: <i>BAR</i>	RJR/skw