

**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 11-11-81	
Company El Paso Natural Gas Company		Connection Northwest Pipeline Corp.	
Pool Basin		Formation Dakota	
Completion Date 11-04-81		Total Depth 7890	Plug Back TD 7882
Elevation 6590 Gr.		Unit San Juan 28-5	
Coq. Size 9.625	Wt. 43.5	d 8.755	Set At 3750
Perforations: From *7604 To 7804		Farm or Lease Name San Juan 28-5	
Tbg. Size 2.375	Wt. 2.9	d 1.610	Set At 7781
Perforations: From To		Well No. #59M	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual		Packer Set At 5980	Unit Sec. Twp. Rge. C 30 28 5
Producing Thru Tbg.	Reservoir Temp. *F @	Mean Annual Temp. *F	County Rio Arriba
Baro. Press. - P _g 12		State New Mexico	
L	H	G _g .660	% 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
1.			.750	155		55	1965				7 Days
2.							155				3 Hours
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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		167	1.0048	.9535	1.021	2020
2							
3							
4							
5							

NO.	P _f	Temp. *R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>X X X X X X X X</td>	X X X X X X X X
3					Specific Gravity Flowing Fluid <td>X X X X X</td>	X X X X X
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>R</td>	R

P _c 1977	P _c ² 3908529					
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3908529}{3767904}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0279$
1		375	140625	3767904		
2						
3						
4						
5						

Absolute Open Flow 2076 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: * 7.000" Liner 3620' - 6144' * 4.500" Liner 6005' - 7890'			
Approved By Commission:	Conducted By: Mel Wileman	Calculated By: Ed Mabe	Checked By: