

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		1-6-82	
Company				Connection							
El Paso Natural Gas Company				Northwest Pipeline Corp.							
Pool				Formation							
Blanco				Mesa Verde							
Completion Date		Total Depth		Plug Back TD		Elevation		Form or Lease Name			
12-30-81		5991		5975		6561 GR		San Juan 28-6 Unit			
Csg. Size	Wt.	d	Set At	Perforations		Well No.					
4.500	10.5	4.052	5991	From 4995 To 5952		#29A					
Tbg. Size	Wt.	d	Set At	Perforations		Unit		Sec.		Twp.	
2.375	4.7	1.995	5927	From To		P		27		28	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County					
G. G. Dual				3499		Rio Arriba					
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tbg.		a				12		New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
5991		.670									

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							780				7 Days
1.			.750	220		57	220				3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor Fg	Super. Compens. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.365		232	1.0029	.9463	1.026	2793
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Met. Lbl.
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.
5.					Critical Temperature	°R

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	(1) $\frac{P_1^2}{P_2^2 - P_1^2}$	(2) $\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n$
1	53824	478	228484	398780		627264	1.4046
2.							
3.							
4.							
5.							

Absolute Open Flow		3923	Mcf/d @ 15.025	Angle of Slope	Slope, n	.75
Remarks: Gas Vented During Test = 395 MCF						
Approved By Division		Conducted By		Calculated By		Checked By
		Gary Gonzales		Ed Mabe		