

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-21-81			
Company El Paso Natural Gas company				Connection Northwest Pipeline Corp.					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-6	
Completion Date 1-14-81		Total Depth 5966		Plug Back TD 5950		Elevation 6684 GR		Farm or Lease Name San Juan 28-6 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3703	Perforations: From *5056 To 5917			Well No. #10A (MV)		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5890	Perforations: From To			Unit P	Sec. Twp. Rge. 25 28 6	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G. G. Dual						Packer Set At 3537		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.650	% 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
SI							817				7 Days
1.	Choke		0.750	289		60					
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		301	1.0000	0.9608	1.030	3683
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 829	P _c ² 687241	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2509$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8377$
NO.	P _t ²	P _w	P _w ²
1	90601	618	381924
2			
3			
4			
5			

Absolute Open Flow 6768 Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.75
Remarks: *4.500" Liner from 3522 to 5966. The Well Produced a Heavy Fog of Water Throughout the Test.			
Approved By Division	Conducted By: Don Norton	Calculated By: H. E. McAnally	Checked By: