

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-27-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 5-20-81		Total Depth 5428		Plug Back TD 5410		Elevation 6192 GL		Farm or Lease Name Newberry	
Csg. Size *7	Wt. 20	d 6.456	Set At 3006	Perforations: From 4839 To 5315		Well No. #8A			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 5293	Perforations: From To		Unit Sec. Twp. Rge. 0 9 32 3/ 12			
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. *F p		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g	% 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							295		670		7 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
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	Mcf, bbl.	Deg.
1.												
2.												
3.												
4.												
5.												

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_w^2 - P_r^2} =$	(2) $\left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n =$			
Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____			
Remarks: _____			
Approved By Division	Conducted By Bobby Haire	Calculated By R. F. Headrick	Checked By