

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-28-80			
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 2-19-80		Total Depth 6752		Plug back TD 6734'		Elevation		Farm or Lease Name Marshall	
Csg. Size 4.500	Int. 10.5	d 4.052	Set At 6752'	Perforations From 6387 To 6614		Well No. 1E			
Tub. Size 2.375	Int. 4.7	d 1.995	Set At 6593	Perforations From To		Unit P	Sec. 14	Twp. 27	Rge. 9
Type Well - Single - Blindhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	R	Gq	% 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							1780		1780		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 F _L	Gravity Factor F _g	Super. Compens. Factor, F _{sp}	Rate of Flow Q, Mscf/d
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mol. Wt.
1						
2						
3						
4						
5						

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

$AOP = Q \left[\frac{R^2}{P_t^2 - P_w^2} \right]^n =$

