

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-16-81			
Company El Paso Natural Gas Company				Connection					
Pool Basin				Formation Dakota				Unit San Juan 28-7	
Completion Date 7-9-81		Total Depth 7857'		Plug Back TD 7837		Elevation 6612		Farm or Lease Name San Juan 28-7	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 7857	Perforations From 7610 To 7780		Well No. 233-E			
Tq. Size 2.375	Wt. 4.7	d 1.995	Set At 7756	Perforations From To		Unit G	Sec. 14	Twp. 28	Rge. 7
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru tbq.		Reservoir Temp. °F 0		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							2185		2187		7 days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

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

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

$$AOF = Q \left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n =$$

Approved by Division	Conducted By: N. L. Waggoner	Calculated By: Ed Mabe	Checked By:
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