

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☐ Special				Test Date 12/20/83		(OWWO)	
Company El Paso Natural Gas Co.				Connection El Paso Natural Gas Co.			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-13-83		Total Depth 7811		Plug Back TD 7760		Elevation 6734 GL	
Ceq. Size 4.500		wt. 11.6		d 4.000		Set At 7811	
Perforations From 7528 To 7736		Well No. 12					
Perforations From To		Unit M		Sec. 36		Twp. 27	
Type Well - Single - Production - G.G. or G.O. Multiple Single		Packer Set At None		County Rio Arriba			
Producing Thru TBC		Reservoir Temp. °F P		Mean Annual Temp. °F		State New Mexico	
L		H		Gg		% 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	
1							1462		1465		7 days
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 _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	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
1										
2										
3										
4										
5										

NO.	P _t	P _w	P _c	P _c 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						

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

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope @ _____ Slope, n _____

Remarks: AFG - 1587 MCF/D for sizing Equip. only.

Approved by Division	Conducted by Ernie Minert	Calculated by Ed Mabe	Checked by kw
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RECEIVED

JAN 05 1984

OIL CON. DIV.
DIST. 3