

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-23-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit San Juan 28-7	
Completion Date 3-15-81		Total Depth 7417		Plug Back TD 7409		Elevation 6214 GR	
Farm or Lease Name San Juan 28-7 Unit				Well No. #241E			
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 7417	Perforations: From 7182 To 7376		Well No.	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7332	Perforations: From To		Unit Sec. Twp. Rge. 0 9 28 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12	
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	
SI							2484		2490		8 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, Mc/d
1							
2							
3							
4							
5							

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

NO.	P _t ²	P _w ²	P _w ²	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						

Absolute Open Flow _____ Mc/d @ 15.025				Angle of Slope θ _____		Slope, n _____	
Remarks: _____							

Approved By Division	Conducted By: Norman Waggoner	Calculated By: H. E. McAnally	Checked By:
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