

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-13-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 5-5-81		Total Depth 8008		Plug Back TD 8001	
				Elevation 6860 GL	
Csg. Size 4.500		Wt. 10.5		d 4.052	
				Set At 8008	
Perforations: From 7782 To 7982					
Well No. #248E					
Unit J		Sec. 18		Twp. 28	
				Range 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru		Reservoir Temp. °F p		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.	
SI							2265		2330	
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 _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	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 _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.						

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

$(1) \frac{P_c^2}{P_t^2 - P_w^2} =$

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

Absolute Open Flow	Mcf @ 15.025	Angle of Slope θ	Slope, n
Remarks			

Approved by Division	Conducted by John Easley	Calculated by R. F. Headrick	Checked by
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