

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-7-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 4-30-81		Total Depth 7777		Plug back TD 7759	
				Elevation 6645 GL	
Csg. Size 4.500		ID 11.6		Well No. #239E	
Perforations: From 7553 To 7737		Set At 7777			
Perforations: From To		Set At 7710			
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At	
Producing Thru				County Rio Arriba	
Reservoir Temp. °F 9		Mean Annual Temp. °F		State New Mexico	
L		H		Prover	
Gg		% CO ₂		% H ₂ S	
				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							2300		2300		7 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{sc}	Rate of Flow Q, Mscf/D
1.							
2.							
3.							
4.							
5.							

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

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	(1) $\frac{P_c^2}{P_1^2 - P_2^2} =$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$
1.							
2.							
3.							
4.							
5.							

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	AOF = Q $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow	Mcf/D 15.025	Angle of Slope °	Slope, n
Remarks:			

Approved by Division	Conducted By John Easley	Calculated By R. E. Hendrick	Checked By
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