

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-27-81				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-20-81		Total Depth 6246		Plug Back TD 6225		Elevation 5366		Farm or Lease Name Farmington A	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6246	Perforations: From 6021 To 6154		Well No. 1E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6127	Perforations: From To		Unit Sec. Twp. Rge. 0 1 29 13			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	R	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							1520		1925		7 Days
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, Mscf/d
1.							
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Ref. Vol.	Deg.
1.												
2.												
3.												
4.												
5.												

NO.	P _t	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.						

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

Absolute Open Flow _____ M. D. @ 15.025		Angle of Slope @ _____		Slope, n _____	
Remarks: _____					

Approved by Division	Conducted By: Bobby Hare	Calculated By: R. F. HEADRICK	Checked By:
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