

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-14-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 5-7-81		Total Depth 5608		Plug Back TD 5338		Elevation 6119 GR		Farm or Lease Name Decker	
Csq. Size 4.500	wt. 10.5	d 4.052	Set At 5608	Perforations: From 4455 To 5471		Well No. #1A			
Tiq. Size 2.375	wt. 4.7	d	Set At 5455	Perforations: From To		Unit Sec. Twp. Rye. E 17 32 10			
Type Well - Single - Bronthead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F p		Mean Annual Temp. °F		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.		Temp. °F
SI							442		840		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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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 _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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

Absolute Open Flow Mcfd @ 15.025		Angle of Slope °	Slope, n
Remarks:			

Approved by Division	Conducted By Bobby Haire	Calculated By R. F. Headrick	Checked By
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