

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				Unit San Juan 28-7	
Completion Date 4-30-81		Total Depth 7805'		Plug Back TD 7798'		Elevation 6637 GL		Farm or Lease Name San Juan 28-7 Unit	
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 7805	Perforations: From 7561 To 7771		Well No. #256E			
Tbg. Size 1 1/2	Wt. 2.9	d 1.610	Set At 7746	Perforations: From To		Unit J	Sec. 17	Twp. 28	Rge. 7
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tbg.		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							2385		2395		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
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	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 _r	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						

AOP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$			
Actual to Open Flow		At 15.025	Angle of Slope θ
Remarks:			

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