

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-3-81				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.					
Pool Basin				Formation Dakota				Unit San Juan 27-5 Unit	
Completion Date 5-18-81		Total Depth 8702		Plug Back TD 8695		Elevation 7430 GR		Farm or Lease Name San Juan 27-5 Unit	
Csq. Size 4.500	wt. 10.5	d 4.052	Set At 8702	Perforations: From 8470 To 8678		Well No. #105E			
Tqg. Size 1.500	wt. 2.9	d 1.610	Set At 8640	Perforations: From To		Unit Sec. Twp. Rye. 0 11 27 5			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single					Packer Set At		County Rio Arriba		
Producing Thru		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% 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							2360		2315		16 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	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 _t	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 _____ °F

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						

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

Approved by Division	Conducted by: Bill Clark	Calculated by: R. F. Headrick	Checked by:
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