

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-5-81				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp			(OWWO)		
Pool Basin				Formation Dakota			Unit San Juan 32-5		
Completion Date 12-29-80		Total Depth 8079		Plug Back TD		Elevation 6322'GL		Farm or Lease Name San Juan 32-5 Unit	
Coq. Size 5.500	Wt. 17.0	d 4.892	Set At 8079	Perforations: From 7834 To 7970			Well No. #4		
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7988	Perforations: From To			Unit N	Sec. Twp. Rge. 23 32 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County Rio Arriba		
Producing Thru		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gq	% 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							601		788		7 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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	P _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$

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

Approved By Division	Conducted By: Don Norton	Calculated By: H. E. McAnally	Checked By:
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