

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-25-80	
Company El Paso Natural Gas Co.				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 2-12-80		Total Depth 5420		Plug Back TD 5403	
				Elevation	
Form or Lease Name Newberry				Well No. #4A	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5420	Perforations: From 4748 To 5281	Unit C
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 5270	Perforations: To	Sec. 9 Twp. 31 Rye. 12
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At	
Producing Thru		Reservoir Temp. °F p		Baro. Press. - P _a	
L		H		County	
G _g		% CO 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							538		777		13 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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1							
2							
3							
4							
5							

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

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

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

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

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

Absolute Open Flow		Mcf @ 15.025	Angle of Slope θ	Slope, n
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Approved By Division	Conducted By C. Rhames	Calculated By C.R. Wagner	Checked By
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