

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-26-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Co.					
Pool Blanco				Formation Mewa Verde				Unit	
Completion Date 5-17-81		Total Depth 6104		Plug Back TD 6086		Elevation 6463 GR		Farm or Lease Name Allison Unit	
Csg. Size 4 1/2	wt. 11.6	d 4.000	Set At 6104	Perforations: From 5440 To 6011		Well No. #41A			
Tub. Size 2 3/8"	wt. 4.7	d 1.995	Set At 5985	Perforations: From To		Unit Sec. Twp. Rge. D 29 32 6			
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _g 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
1							1175		1175		9 Days
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, 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
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 R

NO.	P _t	P _w	P _g	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_g^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_g^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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

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

Approved by Division	Conducted By Tom McAndrews	Calculated By R. F. Headrick	Checked By
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