

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-4-82			
Company El Paso Natural Gas Company						Connection El Paso Natural Gas Company			
Pool Basin						Formation Dakota		Unit	
Completion Date 12-15-81			Total Depth 7960		Plug Back TD 7945		Elevation 6718 GR		Farm or Lease Name San Juan 29-7 Unit
Csg. Size 4.500	Int. 10.5	d 4.052	Set At 7960	Perforations: From 7661 To 7883		Well No. #117			
Tub. Size 1.900	Int. 2.9	d 1.610	Set At 7857	Perforations: From To		Unit L	Sec. 19	Twp. 29	Rge. 7
Type Well - Single - Bronthead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F 8		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							2560		2560		20 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 Fg	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	Mcf, bbl.
1.					A.P.I. Gravity of Liquid	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
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	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 .75	
Remarks: _____							

Approved by Division	Conducted By: John Easley	Calculated By: Ed Mabe	Checked By:
----------------------	------------------------------	---------------------------	-------------