

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-12-81					
Company El Paso Natural Gas Company			Connection Northwest Pipeline Corp.						
Pool Basin			Formation Dakota			Unit San Juan 27-5			
Completion Date 2-5-81		Total Depth 7941		Plug Back TD 7933		Elevation 6683 GR			
Farm or Lease Name San Juan 27-5 Unit		Well No. #78E							
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 7941	Perforations: From 7709 To 7922					
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7894	Perforations: From To		Unit J	Sec. 5		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. *F P		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
SI							1898	1885	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	T _t	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 _____ R				
NO.	P _t ²	P _w	P _w ²	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.					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____				
2.									
3.									
4.									
5.									
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope ϕ _____		Slope, n _____			
Remarks: _____									
Entered by Division _____			Conducted By: _____			Calculated By: _____		Checked By: _____	

