

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-23-81				
Company El Paso Natural Gas Company				Connection Northwest Pipeline					
Pool Basin				Formation Dakota				Unit San Juan 27-5	
Completion Date 7-15-81		Total Depth 7911		Plug Back TD 7903		Elevation 6601 GR		Farm or Lease Name San Juan 27-5	
Csq. Size 9.625	Wt. 40	d 	Set At 3816	Perforations: From *7636 To 7843		Well No. #98E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7799	Perforations: From To		Unit Sec. Twp. Rge. L 14 27 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gg .660	% 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							2248				8 Days
1.			.750	49		66	49				3 Hours
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, Fpv	Rate of Flow Q, Mcfd
1	12.365		61	.9943	.9535	1.004	718
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 _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 2260	P _c ² 5107600		
NO	P _t ²	P _w	P _w ²
1	3721	134	17956
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{5107600}{5089644}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.003$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 720$$

Absolute Open Flow	720	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:	*7.000 Liner 3685 - 6211
	*4.500 Liner 6050 - 7911

Approved By Commission:	Conducted By: Harold Cloer	Calculated By: Ed Mabe	Checked By:
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