

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 6-12-80	
Company El Paso Natural Gas Company				Connection		
Pool Basin				Formation Dakota		Unit
Completion Date		Total Depth 8470		Plug Back TD 8462		Elevation 7187 Gr.
Csg. Size 9.625	Wt. 40	d 8.835	Set At 4386	Perforations: From *8230 To 8415		Farm or Lease Name San Juan 27-4 Unit
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8376	Perforations: From To		Well No. #102 (MD)
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6623		County Rio Arriba
Producing Thru Tbg. L		Reservoir Temp. *F @		Mean Annual Temp. *F		State New Mexico
H		Gg 8376	% CO ₂ .670	% N ₂	% H ₂ S	Prover Meter Run 4"
						Taps Flg.

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	XXXXX 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							955				28 Days
1.	4 X 1.750					68	70				3 Hrs.
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	14.93	15.81	14	.9924	1.222	1.000	286
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

P _c 967	P _c ² 935089			
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		118	13924	921165
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{935089}{921165}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 289$

AOF = Q

Absolute Open Flow 289 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Approved By Commission:	Conducted By: Lyle Nation	Calculated By: Ed Mabe	Checked By: