

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 6-19-80			
Company El Paso Natural Gas Company				Connection					
Pool Blanco				Formation Mesa Verde				Unit San Juan	
Completion Date		Total Depth		Plug Back TD		Elevation 7187 Gr.		Farm or Lease Name San Juan 27-4 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 4386	Perforations: From *5732 To 6566				Well No. 102 (MD)	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6567	Perforations: From To				Unit Sec. Twp. Rge. B 33 27 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 6623		County Rio Arriba	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .660	% CO ₂	% 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							1078		545		35 Days
1.	4 X 1.750					48	442		271		3 Hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.93	99.98	100	1.012	1.231	1.000	1860
2.							
3.							
4.							
5.							

NO.	P _r	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. _____ P.S.I.A.
5.					Critical Temperature _____

P_c 1090 P_c² 1188100

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		454	206116	981984
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1188100}{981984}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2145$

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

Absolute Open Flow 2145 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: * 7.000" - Liner - 4240' - 6788'

Approved By Commission:	Conducted By: Lyle Nation	Calculated By: E.Mabe	Checked By:
-------------------------	------------------------------	--------------------------	-------------

