

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 7-31-80	
Company El Paso Natural Gas Company			Connection Northwest Pipeline Company		
Pool Blanco			Formation Mesa Verde		Unit San Juan
Completion Date 5-4-80		Total Depth 8396'	Plug Back TD 8382'		Elevation 7101'
Farm or Lease Name San Juan 27-4 Unit					Well No. #101 (MV)
Csg. Size 9.625"	Wt. 40.0#	d 8.835	Set At *4316	Perforations: From 5662 To 6493	
Tbg. Size 1.90"	Wt. 2.90#	d 1.516	Set At 6480	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual			Packer Set At 6515'		County Rio Arriba
Producing Thru Csg.		Reservoir Temp. °F @	Mean Annual Temp. °F @	Baro. Press. - P _g State New Mexico	
L 6480	H	G _g .670	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run 4"	Taps Flg		

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							1093		1118		87 Days
1.	4" X 2.50"			212		35	658		608		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 Ft	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	32.64	149.65	224	1.025	1.222	1.029	6296.
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.335	495	1.30	.945	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1130	P _c ² 1,276,900	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5421$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,3839$
NO	P _i ²	P _w	P _w ²
1		670	448,900
2			
3			
4			
5			

Absolute Open Flow 8713 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: * 7" Liner - 4153 - 6692 No Fluid Gas Vented - 790 MCF			
Approved By Commission:	Conducted By: L. Nation	Calculated By: B. Clark	Checked By: