

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 8-13-81				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.					
Pool Blanco				Formation Mesa Verde				Unit San Juan 27-5	
Completion Date 7-30-81		Total Depth 7784		Plug Back TD 7775		Elevation 6541 GL		Farm or Lease Name San Juan 27-5 Unit	
Csg. Size 9.625	Wt. 40	d	Set At 3715	Perforations: From *5018 To 5947		Well No. #59M (MV)			
Thg. Size 1.900	Wt. 2.9	d 1.610	Set At 5905	Perforations: From To		Unit Sec. Twp. Rge. I 6 27 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At		County Rio Arriba		
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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						767		741		14 Days
1.	Choke	0.750	256		62	411				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		268	0.9981	0.9608	1.026	3260
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.
5.					Critical Temperature _____ R

P _c 779	P _c ² 606,841	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4181$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2995$
NO. P _t ²	P _w	P _w ²	P _c ² - P _w ²
1 423	423	178929	427912
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4237$

Absolute Open Flow 4237	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: * 7" Liner from 3562 to 6116

Approved By Commission:	Conducted By: Harold Cloer	Calculated By: H. E. McAnally	Checked By:
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