

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 8-6-81			
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.					
Pool Basin				Formation Dakota				Unit	
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 8.835	Set At 3715	Perforations: From *7525 To 7749		Well No. #59M			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7721	Perforations: From To		Unit I	Sec. 6	Twp. 27	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 5980		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 5096	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							1731				7 Days
1.			.750	123		63	123				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		135	.9971	.9535	1.014	1609
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1743	P _c ² 3038049	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3038049}{2948648}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0227$
NO. 1	P _w 299	P _w ² 89401	P _c ² - P _w ² 2948648
2			
3			
4			
5			

Absolute Open Flow 1645 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: * 7.000" Liner - 3562' - 6118'			
* 4.500" Liner - 6016' - 7784'			

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