

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 10-4-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon	
Completion Date 9-19-77		Total Depth 3368		Plug Back TD 3363		Elevation 6601	
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3367	Perforations: From 3260 To 3288		Well No. #27	
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. J 8 32 11	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion				Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12.0	
L H		Gg .665	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke	Meter Run Taps
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. *F	Duration of Flow
1.	2	X	.750	297		720	SIP 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.	9.604		309	.989	1.226	1.029	3702
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 _____ XXXXXXXXXX		
3.					Specific Gravity Flowing Fluid _____ XXXXXX		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
$P_c = 990$ $P_c^2 = 980100$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1905$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1597$							
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4293$		
1.		396	156816	823284			
2.							
3.							
4.							
5.							
Absolute Open Flow 4293 Mcfd @ 15.025					Angle of Slope @ _____		
Remarks: G1 1-e-s FcQ ² R ² Pr ² Pr ² +R ² Calculated PM 2168 .146 422294 61655 95481 157136 396							
Well produced light mist of water with a trace of condensate.							
Approved By Commission:		Conducted By: Jack Vescovi		Calculated By: Bobby J. Broughton		Checked By:	

