

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 10-11-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon	
Completion Date 9-26-77		Total Depth 3204		Plug Back TD 3182		Elevation 6372 GR	
Csg. Size 2.875		Wt. 6.4		Set At 2.441		Perforations: From 3070 To 3120	
Tbg. Size None		Wt. None		Set At None		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion						Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g		Prover, Positive Choke	
				.665		Meter Run	
				% CO ₂		% N ₂	
				% H ₂ S		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	11 Day SIP								873		SIP
1.	2	X	.750	85		62°			85		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.402		97	.998	1.226	1.009	1126
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0194$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0164$
1		122	14884	768341		
2						
3						
4						
5						

Absolute Open Flow 1145 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
Remarks: Well produced light mist of water with a trace of condensate.							
G1		1-e-s		FcQ ²		R ²	
2042		138		39068		5391	
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Wilfred Charley		B.J. Broughton			