

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 10-10-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon	
Completion Date 8-29-77		Total Depth 3390		Plug Back To 3367		Elevation 6598 GR	
Csg. Size 2.875		Wt. 6.4		Set At 2.441		Perforations: From 3286 To 3320	
Tbg. Size None		Wt. d		Set At 3388		Perforations: From To	
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		G _g		Prover Positive Choke	
				.665		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	
1.	2	X	.750	185		65°			666		SIP
2.									185		3 hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	9.402		197	.995	1.226	1.020	2305
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

P _c 678	P _c ² 459,684	
NO.	P _t ²	P _w ²
1.	251	63001
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1588$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2613$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1335$

Absolute Open Flow	2613	Mcf/d @ 14.000	Angle of Slope θ	Slope, n .85
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Remarks: Well produced dry gas.					
G1	1-e-s	FcQ ²	R ²	Pt ²	Pt+R ²
2185	.147	163714	24066	38809	62875
Approved By Commission:		Conducted By:		Checked By:	
		Wilfred Charley		B.J. Broughton	