

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 2-09-82	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-7	
Completion Date 12-04-81		Total Depth 5950'		Plug Back TD 5900'		Elevation 6548'	
Casing 4.500		WT. 20.0		Set At 3926'		Perforations: From 5438' To 5820'	
Tubg. Size 2.375		WT. 4.7		Set At 5739'		Well No. #79 MV	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3654'		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		State New Mexico	
L		H		Gg est. .600		Positive Choke	
				% CO ₂		% N ₂	
				% H ₂ S		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"	273		62°	1142	273			SIP
2.											3 hrs.
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		285	.9981	1.291	1.025	3615
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 _____ 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 1154	P _c ² 1331716	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3395$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2451$
NO.	P _i ²	P _w	P _w ²
1		581	337561
2		(calc.)	
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4501$	
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Absolute Open Flow 4501	Mcf @ 15.025	Angle of Slope 0	Slope, n .75
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Remarks: Produced medium mist of water throughout test. Vented 496 MCF.					
GI	1-e-s	FcQ ²	R ²	Pt ²	Pt ² +R ²
3443	.222	1155200	256454	81225	337679
Approved By Commission:		Conducted By: Fred S. Hamrick		Checked By: S.K. Wilsey	