

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 01-21-82	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 01-12-82		Total Depth 5880'	Pipe Back TD 5836'
		Elevation 6527' GR	Unit San Juan 32-8
Well No. #7A		Farm or Lease Name San Juan 32-8 Unit	
Perforations: From 5326' To 5800'	Well No. #7A		Unit, Sec. Twp. Rge. D 22 31N 8W
Perforations: From To	County San Juan		State New Mexico
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 12.0	Mean Annual Temp. °F 12.0	State New Mexico
L H	Gg est. .591	% CO ₂	% N ₂
		% H ₂ S	positive choke
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
1.	2" X .750"	148	65°
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	9.604		160
2.			.995
3.			1.301
4.			1.010
5.			2009
NO.	P _r	Temp. °R	T _r
			Z
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c	542	P _c ²	293764
NO.	P ₁ ²	P _w	P _w ²
1		379	143641
2			150123
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9568$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6545$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3324$			
Absolute Open Flow 3324		Mcf @ 15.025	Angle of Slope @
			Slope, n 75
Remarks: Produced light mist of water throughout test. Vented 268 MCF.			
Approved By Commission:		Conducted By: Fred S. Hamrick	Calculated By: Sandy Wilsey
		Checked By: BJB	BJB/skw