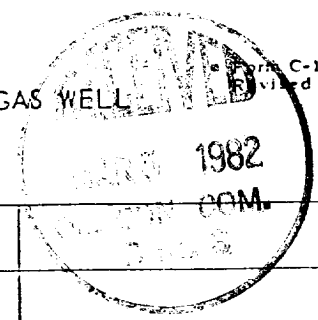


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-05-82	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde			
Completion Date 11-09-81		Total Depth 5989'		Plug Back TD 5910'		Elevation 6526'	
Well No. #27A MV		Unit San Juan 32-7 Unit					
Completion Date 11-09-81		Total Depth 5989'		Plug Back TD 5910'		Elevation 6526'	
Well No. #27A MV		Unit San Juan 32-7 Unit					
Trg. Size 2.375		Wt. 4.7		Set At 5785'		Perforations: From 5520' To 5868'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion		Packer Set At 3590'		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F 6		Mech. Annual Temp. °F 12.0		State New Mexico	
L H		Gg est. .600		% CO ₂		% N ₂	
						positive choke	
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"	227		61°	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 F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcf/d
1.	9.604		239	.999	1.291	1.023	3028
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 _____ 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 1141 P _c ² 1301881					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2239$		
NO. 1 P ₁ ² P _w P _w ² P _c ² - P _w ²					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1636$		
1.		488	238144	1063737			
2.		(Calc.)					
3.							
4.							
5.							
Absolute Open Flow 3523					Mcf @ 15.025		Slope, n .75
Remarks: Produced light mist of water throughout test. Vented 429 MCF.							
G1		1-e-s	FcQ ²	R ²	Pt ²	Pt ² + R ²	Pw
3471		.223	810499	180741	57121	237862	488 PSIA
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: S.K. Wilsey		Checked By: 	