

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 01-19-82	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-8	
Completion Date 01-09-82		Total Depth 5905'		Plug Back TD 5800'		Elevation 6471'	
Form or Lease Name San Juan 32-8 Unit		Well No. #8A		Unit P 22		Sec. Twp. Rge. 31N 8W	
9.000"	Wt. 20.0	d 6.456	Set At 3760'	Perforations: From 5295' To 5760'			
4.500"	Wt. 10.5	d 4.052	Set At 3563'-5905'	Perforations: From To			
2.375"	Wt. 4.7	d 1.995	Set At 5650'	From To			
Type Well - Single - Brokenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico		Meter Run		Taps			
L	H	G _g est. .590	% CO ₂	% N ₂	% H ₂ S	Proven 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2"	X	.750"	164		64°	619		619		SIP
2.							164		413		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow: Q, Mscf/d
1	9.604		176	.9962	1.302	1.016	2227
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	631				A.P.I. Gravity of Liquid Hydrocarbon	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 _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.8303$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.5736$
1	425	180625	217536		
2.					
3.					
4.					
5.					

Absolute Open Flow 3504			Mscf @ 15.025	Angle of Slope °	Slope, n .75
Remarks: Produced light mist of water throughout test. Vented 297 MCF.					
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: Sandy Wilsey	
				Checked By: BOB	