

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 11-30-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 11-18-81		Total Depth 6179'		Plug Back TD 6140'	
				Elevation 6733'	
Form or Lease Name San Juan 32-7 Unit					
Original G.P.	Wt.	d	Set At	Perforations:	
7.000	20.0	6.456	4090'	From 5754' To 6101'	
4.500	10.5	4.052	6179'		
Req. Size	Wt.	d	Set At	Perforations:	
2.375	4.7	1.995	6005'	From To	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Facker Set At 3830'	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
				Baro. Press. - P _a New Mexico	
L	H	G _g est. .590	% CO ₂	% N ₂	% H ₂ S
					Prover positive choke
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	2"	X	.750	267	61°
2.					
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
1.	9.604		279	.999	1.302
2.					
3.	/				
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbon
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
P_c 1101 P_c^2 1212201					
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	
1.		576	331776	880425	
2.		(calc.)			
3.					
4.					
5.					
$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3768$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2710$					
$AGF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4519$					
Absolute Open Flow 4519 Mcd @ 15.025 Angle of Slope 0 Slope, n .75					
Remarks: Produced light mist of water. Vented 487 MCF.					
G ₁	1-e-s	(FcQ ₁ ²)	R ²	P _t ²	R ² + P _t ²
3543	.227	1117171	253598	77841	331439
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton	
				Checked By: BGB	

RJR/skw