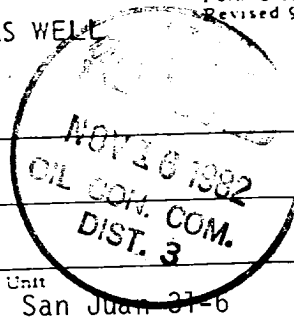


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10/22/82	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 10-12-82		Total Depth 5600'	Plug Back TD 5557'
		Elevation 6229'	Form or Lease Name San Juan 31-6 Unit
Cgs. 600	Wt. 20.0	d 6.456	Set At 3515'
4.500	10.5	4.052	3324'-5597'
Perforations: From 5088' To 5500'	Well No. #8A		
Perforations: From To	Unit Sec. Twp. Rye. C 6 30N 6W		
2.375	4.7	1.995	5410'
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Single Completion		Packer Set At None	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
State New Mexico		Meter Run	Taps
L	H	G _g est. .610	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	Shut-in Pressures										
1.	2"	X	.750"	208		66°	867	208	867	523	3 hrs.
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		220	.994	1.280	1.020	2,742
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 879	P _c ² 772641	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.5884$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.4149$
NO 1	P _i ²	P _w	P _w ²
1		535	286225
2			
3			
4			
5			

Absolute Open Flow 3,880		Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Produced light mist of water. Vented 383 MCF.

Approved By Commission:	Conducted By:	Calculated By: D. J. Doughton	Checked By: R. O. B.
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