

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 11-23-77			
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 11-15-77		Total Depth 5809		Plug Back TD 5775		Elevation 6547 GR		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.457	Set At 3594-5809	Perforations: From 5270 To 5706		Well No. 19A			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5673	Perforations: From To		Unit Sec. Twp. Rge. I 8 29 6			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .680	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke		Meter Run cups	

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							936		936		SIP
1.	2	X	.750	339		60°	339		778		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	9.604		351	1.000	1.213	1.037	4240
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °H	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 948	P _c ² 898704	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.2727$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4333$
NO.	P _t ²	P _w	P _w ²
1		790	624100
2			
3			
4			
5			

Absolute Open Flow 10,317 Mcf/d @ 15.025		Angle of Slope θ	Slope, n .75
--	--	------------------	--------------

Remarks: Well produced light mist of water with a trace of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
-------------------------	-------------------------------	----------------------------------	-------------