

NEW FIELD SURVEILLANCE TEST REPORT ON
MULTIPOINT AND ONE POINT EACH MINUTE TEST FOR GAS WELL

10-26-78

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-26-78	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date Oct. 14, 1978	Total Depth 6086	Plug Back TD 6041	Elevation 6813
Unit San Juan 29-6		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 4.500	Wt. 20.0	d 6.456	Set At 4030
4.500	10.5	4.052	3858-6084
Perforations: From 5568 To 6008		Well No. 12A	
Inq. Size 2.375	Wt. 4.7	d 1.995	Set At 5968
Perforations: From To		Unit Sec. Twp. Rge. J 6 29 6	
Type Well - Single - Frodenhead - 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 12.0	State New Mexico
L	H	Gg .670	% CO ₂ % N ₂ % H ₂ S
		Prover Positive Choke	Meier Run Taps

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							802		804		SIP
1.	2" x	0.750	261			61°	261		672		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcld
1	9.604		273	.999	1.222	1.031	3300
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 816	P _c ² 665856	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 3.3629$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 2.4833$
NO. 1	P _r ² 684	P _w ² 467856	P _r ² - P _w ² 198000
2			
3			
4			
5			

Absolute Open Flow 8195		Mcf @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Well produced a light mist of water with a trace of condensate.

Approved By Commission:	Conducted By: F.S. Hamrick	Calculated By: B.J. Broughton	Checked By:
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