

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 11-11-77	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 31-6	
Completion Date 11-4-77		Total Depth 6010		Plug Back TD 5970		Elevation 6523 GR	
Gas Size 7.000		Wt. 20.0#		Set At 3941		Perforations: From 5522 To 5844	
4.500		10.5#		3823-6010		Well No. 29	
Tub. Size 2.375		Wt. 4.7		Set At 5826		Perforations: From To	
1.995		5826				Unit Soc. Twp. Rge. B 36 31 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		Gg		County Rio Arriba	
				.585		State New Mexico	
				% CO ₂		Prover Positive Choke	
				% N ₂		Meter Run	
				% H ₂ S		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.	
SI							1165		1166	
1.	2	X	.750	341		60°	341		847	
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, Mcfd
1	9.402		353	1.000	1.307	1.024	4442
2.							
3.							
4.							
5.							

NO.	P _t	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 1178	P _c ² 1387684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1355$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7666$
NO.	P _t ²	P _w	P _w ²
1		859	737881
2			
3			
4			
5			

Absolute Open Flow 7847 Mcfd @ 15.025		Angle of Slope 8° 15'
Remarks: Well produced light mist of water.		

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