

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 7-27-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Undesignated				Formation Pictured Cliffs		Unit San Juan 29-5	
Completion Date 6-30-81		Total Depth 5800'		Plug Back TD 3440'		Elevation 6405'	
Farm or Lease Name San Juan 29-5 Unit				Well No. #104 PC			
Choke 4.500	Wt. 20.0	d 6.456	Set At 3695'	Perforations: From 3210' To 3394'		Unit Sec. Twp. Rge. B 10 29N 5W	
Trg. Size 1.660	Wt. 2.33	d 1.380	Set At 3312'	Perforations: From To		Unit Sec. Twp. Rge. B 10 29N 5W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3440'		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		State New Mexico	
L	H	G _g est. .620	% CO ₂	% N ₂	% H ₂ S	Proven choke	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Proven 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	Duration of Flow
1.	2"	X	.750	113		58 ⁰	113		595		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 O, Mcfd
1	9.604		113	1.002	1.270	1.012	1398
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	Deq.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 1124	P _c ² 1263376	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4117$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3406$
NO. 1	P _w 607	P _w ² 368449	P _c ² - P _w ² 894927
2			
3			
4			
5			

Absolute Open Flow 1874		Mcf @ 15.025	Angle of Slope °	Slope, n .85
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Remarks: Produced medium mist of water with trace of condensate and oil. Vented 238 MCF.

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