

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 3/14/83	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 03-02-83		Total Depth 8070'		Plug Back TD 8043'	
				Elevation 6473'	
Farm or Lease Name San Juan 31-6 Unit					
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8055'	Perforations: From 7890' To 7914'	
Well No. #28					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7891'	Perforations: From To	
Unit K	Sec. 34	Twp. 31	Rge. 6		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single Completion				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
County Rio Arriba		State New Mexico			
L	H	Gg est. .590	% CO ₂	% N ₂	% H ₂ S
				Positive Choke	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI	Shut-In Press.				
1.	2"	X .750"	158		65°
2.					65°
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
1	9.604		170	.995	1.302
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbons
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
RECEIVED CON. DIV. 1 DIST. 3					
P _c	2872	P _c ²	8248384		
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0616$
1		692	478864	7769520	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0459$
2					
3					
4					
5					
Absolute Open Flow <u>2241</u> Mcf @ 15.025 Angle of Slope θ _____ Slope, n <u>.75</u>					
Remarks: <u>Produced light mist H₂O throughout test. Vented 268 MCF.</u>					
Approved By Commission:		Conducted By:		Calculated By:	
skw		Chik Charley		M.J. Turnbaugh	
				Checked By: <u>my</u>	