

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 10-10-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon	
Completion Date 9-23-77		Total Depth 3394		Plug back TD 3363 338		Elevation 6571 GR	
Csg. Size 2.875		WT. 6.4		d 2.441		Set At 3390	
Perforations: From 3260 To 3356		Well No. #20		Unit A		Sec. 16	
Tbg. Size None		WT. None		d None		Set At None	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Tubingless Completion				Pecker Set At None		County San Juan	
Producing Time Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		State New Mexico	
L .		H .		Cg .665		% CO ₂ .	
N ₂ .		H ₂ S .		Prover Positive Choke		Meter Run .	

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	of Flow
1.	2	X	.750	168		61°			645		STP
2.									168		3 hrs.
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		180	.999	1.226	1.020	2114
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/tbl.
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.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1.	657	431649	229	52441	1.1383	1.1164
2.						
3.						
4.						
5.						

Absolute Open Flow				Mcf @ 15.025		Angle of Slope		Slope, n	
2360				15.025		85		85	

Remarks: Well produced small fog of water.						
G1	1-e-s	Fc0 ²	R ²	Pt ²	Pt ² +R ²	PW
2168	146	137706	20105	32400	52505	229

Approved By: Commission	Conducted By: Wilfred Charley	Calculated By: B.J. Broughton	Checked By:
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