

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-2-85		OCT 08 1985	
Company Blackwood & Nichols Co., Ltd.				Connection Northwest Pipeline Corporation		OIL CON. DIV. DIST. 3	
Pool S. Los Pinos Ft/PC				Formation Fruitland - Pictured Cliffs		Unit Northeast Blanco	
Completion Date 8-21-85		Total Depth 3510'		Plug Back TD 3465'		Elevation 6368'	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		3510'	
Thq. Size 2.375		Wt. 4.7		Set At 1.995		3409'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		Well No. 211	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
L.		H		G _g 0.65		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover 3/4"	
						Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	3/4" choke						
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 Q, Mcfd
1.	12.365		62	1.0198	.9608	---	751
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 _____ 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		
$P_c = 1292$ $P_c^2 = 1,669,264$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1259$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.106$							
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²			
1.	3844	432	186,624	1,487,640			
2.							
3.							
4.							
5.							
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 830$							
Absolute Open Flow 830				Mcf/d @ 15.025		Angle of Slope θ	
						Slope, n 0.85	
Remarks:							
Approved By Commission:		Conducted By: R. Thompson		Calculated By: W. F. Clark		Checked By:	