

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 8-21-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 8-11-81		Total Depth 5696'		Plug Back TD 5662'	
		Elevation 6362'		Farm or Lease Name San Juan 29-5	
7.000 4.500	wt. 20.0 10.5	d 6.456 4.052	Set At 3750' 3556-5696	Perforations: From 5224 To 5604	
Req. Size 2.375	wt. 4.7	d 1.995	Set At 5518'	Perforations: From To	
Type well - Single - Brasshead - G.G. or G.O. Multiple				Packer Set At 3515'	
Producing Thru Tubing				Baro. Press. - P _a 12.0	
Reservoir Temp. *F #				Mean Annual Temp. *F	
L H G _g est. .647				% CO ₂ % N ₂ % H ₂ S	
				Provs. choke	
				Meter Run Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Provs. 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	
SI							800				SIP
1.	2"	X	.750	160		64°	160				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 Q, Mcfd
1	9.604		172	.996	1.243	1.019	2084
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	γ _g	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			

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	812	343	117649	541695	1.2172	1.1583
2		(calc)				
3						
4						
5						

Absolute Open Flow 2415		Mcf @ 15.025	Angle of Slope 75
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Remarks: Produced light mist of water with a trace of condensate.					
G ₁	1-e-s	E _{CO₂}	R ₂	P _t ²	P _t ² +R ₂ ²
3570	.229	383916	87917	29584	117501
					Calc. P _w 343 Psia

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