

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-127
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/21/82	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 10-09-82		Total Depth 5982'		Plug Back TD 5939'	
Elevation 6638'		Farm or Lease Name San Juan 30-5 Unit			
C.G. 3000 4.500		Wt. 20.0 10.5		Set At 3920' 3732'-5939'	
Perforations: From 5542'		To 5940'		Well No. #84 MV	
Trq. Size 2.375		Wt. 4.7		Set At 5843'	
Perforations: From		To		Unit Sec. Twp. Rge. J 33 30N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3710'	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F B		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12.0		Meter Run		Taps	
L		H		C _g est. .590	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				positive choke	

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	
SI	Shut-in Pressure						1121		Packer		
1.	2"	X	.750"	252		62 ⁰	252				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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1	9.604		264	.998	1.302	1.020	3360
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 1133 P _c ² 1283689					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2939$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2132$	
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²				
1		540	291600	992089				
2		(calc.)						
3								
4								
5								

Absolute Open Flow		4076	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks: Produced light mist of water. Vented 477 MCF.
 G₁ 1-e-s R² P_t² P_t²+R² P_w