

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 1-21-75	
Company Northwest Pipeline Corp.				Connection New completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-5	
Completion Date 12-13-74		Total Depth 6239'		Plug Back TD 6188'		Elevation 6848 GR	
Csg. Size 4-1/2"		Wt. 10.5		Set At 6239'		Perforations: From 5654' To 6180'	
Csg. Size 2-3/8"		Wt. 4.7		Set At 6172		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At none	
Producing Thru tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g	
L		H		G _g		Prover	
				.63		pos. ck.	
				% CO ₂		% N ₂	
				% H ₂ S		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	Duration of Flow
SI	7 day						
1.	2 x .750			78		62°	3 hour
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		90	.9981	.9759	1.007	1.092
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R		
1.							
2.							
3.							
4.							
5.							
P _c 924 P _c ² 853776 NO P _t ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{853776}{710892}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1472$		
1		378	142884	710902			
2							
3							
4							
5							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.253$							
Absolute Open Flow 1,253 Mcfd @ 15.025					Angle of Slope @		Slope, n .75
Remarks: Well produced 3/4" stream of water five minutes after start of flow. Medium spray of water and some dist. remainder of test.							
Approved By Commission:		Conducted By: Bobby Broughton		Calculated By: Bobby Broughton		Checked By: B.B.	