

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 5-05-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-8	
Completion Date 4-23-81		Total Depth 5928'		Plug Back TD 5890'		Elevation 6473'	
Casing 4.000		Wt. 20.0		Set At 3767'		Perforations: From 5420' To 5828'	
4.500		10.5		3543'-5928'		Well No. #20A	
Tub. Size 2.375		Wt. 4.7		Set At 5708'		Unit Sec. Twp. Rgd. E 4 31N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		Gg est. .590		% CO ₂ % N ₂ % H ₂ S	
						positive choke	
FLOW DATA						TUBING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2"	X	.750	199		58°	199
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		211	1.002	1.301	1.013	2676
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1.					A.P.I. Gravity of Liquid Hydrocarbons		
2.					Specific Gravity Separator Gas		
3.					Specific Gravity Flowing Fluid		
4.					Critical Pressure		
5.					Critical Temperature		
P _c 1105 P _c ² 1221025					Mcf/bbl. Deg.		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3374$		
1		555	308025	913000	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2436$		
2							
3							
4							
5							
Absolute Open Flow 3328 MCF					Mcf/d @ 15.025		Slope, n .75
Remarks:							
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton		Checked By: BJB	