

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 6-19-81	
Company Northwest Pipeline Corporation					Connection New Completion	
Pool Undesignated			Formation Fruitland		Unit San Juan 32-8	
Completion Date 6-02-81		Total Depth 3830'		Plug Back TD 3809'		Elevation 6978'
Csg. Size 2.875		Wt. 6.5	d 2.551	Set At 4004'	Perforations: From 3772' To 3780'	
Tqg. Size None		Wt.	d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion					Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L		H	G _g est. .60	% CO ₂	% N ₂	% H ₂ S
					Prover. positive	
					choke	
					Meter Run	
					Taps	
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
SI						
1.	2"	X	.750	26		60 ⁰
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}
1	9.604		38	1.0000	1.291	1.003
2.						
3.						
4.						
5.						
NO.	R _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 _____	
3.					Specific Gravity Flowing Fluid _____	
4.					Critical Pressure _____ P.S.I.A.	
5.					Critical Temperature _____ R	
P _c 1336		P _c ² 1784896				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0014$	
1		50	2500	1782396	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0012$	
2		(calc)				
3						
4						
5						
Absolute Open Flow 474				Mcf @ 15.025	Angle of Slope θ _____	
				Slope, n .85		
Remarks: Produced heavy mist of water throughout test. Vented 63 MCF.						
G ₁	1-e-s	F _{CO2}	R ₂	P _t	P _t +R ₂	Calc. P _w
2263	.152	6894	1048	1444	2492	50
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton		Checked By: B.B.