

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 4-13-81	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Basin			Formation Dakota		Unit San Juan 30-5	
Completion Date 4-02-81		Total Depth 7875'		Plug Back TD 7860'		Elevation 6429'
Csg. Size 4.500		Wt. 10.5	d 4.052	Set At 7872'	Perforations: From 7790' To 7840'	
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 7798'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12
L		H	G _g .60	% CO ₂	% N ₂	% H ₂ S
					Proves positive choke	
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
1.	2	X	.750	183		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1	9.604		195	1.000	1.291	1.016
2.						
3.						
4.						
5.						
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	
P _c 2919 P _r ² 8520561						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0673$	
1		733	537289	7983272	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0501$	
2						
3						
4						
5						
Absolute Open Flow 2579 Mcfd @ 15.025					Angle of Slope ° Slope, n .75	
Remarks: Well produced light mist of water throughout test, vented 341 MCF.						
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton		Checked By: BQB