

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 12-07-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool So. Los Pinos				Formation Pictured Cliffs	
Completion Date 11-18-81		Total Depth 6179'		Plug Back TD 3830'	
				Elevation 6733'	
Form or Lease Name San Juan 32-7 Unit				Well No. #75 PC	
Ch. 000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 4090' 6179'	Perforations: From 3556' To 3738'	
Thq. Size 1.660	Wt. 2.33	d 1.380	Set At 3668'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 3830'	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
				Baro. Press. - P _a 12.0	
L	H	G _g est. .680	% 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	
1.	2"	X	.750	243	44°
2.					
3.					
4.					
5.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g
					Super Compress. Factor, F _{pv}
1.	9.604		255	1.016	1.214
2.					
3.					
4.					
5.					
NO.	P _t	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 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
$P_c = 1493$ $P_c^2 = 2229049$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0281$
1.		1063	1129969	1099080	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8240$
2.					
3.					
4.					
5.					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5663$					
Absolute Open Flow 5663 Mcfd @ 15.025 Angle of Slope @ Slope, n .85					
Remarks: Produced light mist of water with a trace of condensate. Vented 388 MCF.					
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: B.J. Broughton	
				Checked By: BJB	

BJB/skw