

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: 5/05/83	
Company: Northwest Pipeline Corporation				Connection: New Completion		
Pool: Basin				Formation: Dakota		Unit: San Juan 31-6
Completion Date: 03-26-83		Total Depth: 7900'		Plug Back TD: 7874'		Elevation: 6402'
Csg. Size: 4.500		Wt.: 11.6	d: 4.052	Set At: 7900'	Perforations: From 7774' To 7822'	
Tub. Size: 2.375		Wt.: 4.7	d: 1.995	Set At: 7753'	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: #		Mean Annual Temp. °F: #		Baro. Press. - P _a : 12.0
L: #		H: #	G _g 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
1.	2"	X	.750"	165		72°
2.						
3.						
4.						
5.						
RATE OF FLOW CALCULATIONS					Casing Data	
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Duration of Flow
1.	9.604		177	.989	1.302	3 Hrs.
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	T _t	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 2627		P _c ² 6901129				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1.		682	465124	6436005		
2.						
3.						
4.						
5.						
					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0723$	
					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0537$	
					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,334$	
Absolute Open Flow 2,334					Mcf @ 15.025	
Angle of Slope @					Slope, n .75	
Remarks: Produced medium mist of H ₂ O at end of test. Vented 343 MCF.						
Approved By Commission:		Conducted By: Chik Charley		Calculated By: M.J. Turnbaugh		Checked By:

skw

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OIL CONSERVATION DIVISION
SANTA FE