

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 6-26-80	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 6-5-80		Total Depth 7928		Plug Back TD 7880	
Elevation 6406		Farm or Lease Name San Juan 31-6 Unit			
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 7928	Perforations: From 7802 To 7824	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 7815	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico			
L	H	G _g est. .585	% CO ₂	% N ₂	% H ₂ S
Prover Pos. 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2957		2961	
1.	2" X .750"			286		72°	286		1065	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		298	.989	1.307	1.019	3770
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 _____ X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 2973	P _c ² 8838729	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1511$	$\frac{P_c^2}{P_c^2 - P_w^2} = 1.1113$
NO.	P _i ²	P _w	P _w ²
1		1077	1159929
2			
3			
4			
5			

Absolute Open Flow 4190 Mcfd @ 15.025		Angle of Slope 0	Slope, n .75
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Remarks: Well produced a light mist of water throughout test.

Approved By Commission:	Conducted By: Chik Charley	Calculated By: B.J. Broughton	Checked By:
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