

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 12-09-80	
Company Northwest Pipeline Corp.				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 11-24-80		Total Depth 7837'		Elevation 6414'	
Csg. Size 4.500		Wt. 10.5		Set At 7860'	
Perforations: From 7764'		To 7790'		Well No. 51	
Tbg. Size 2.375		Wt. 4.9		Set At 7732'	
Perforations: From		To		Unit B 21 30N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
L		H		Cg	
		.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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							2741		2744		SIP
1.	2"	X	.750"	357		51°	357		938		3 hrs.
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}	Rate of Flow Q, Mcfd
1	9.604		369	1.009	1.291	1.038	4792
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	Deq.
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.
5.					Critical Temperature	R

P _c 2756	P _c ² 7595536	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0183$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0137$
NO.	P _r ²	P _w	P _w ²
1		369	136161
2			
3			
4			
5			

Absolute Open Flow 4857		Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks: Produced light mist of water at start of test then cleared to light fog.

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