

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 5-27-80	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool South Los Pinos		Formation Pictured Cliffs - Fruitland	
Completion Date 5/14/80		Total Depth 3864'	Elevation 6754'
Csg. Size 2.875		Wt. 6.4	Set At 2.441
Perforations: From 3540' To 3730'		Well No. 51	
Perforations: From To		Unit M	Sec. Twp. Rge. 34 32N 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion		Packer Set At None	County San Juan
Producing Thru Casing	Reservoir Temp. °F 8	Mean Annual Temp. °F 12-0	State New Mexico
L	H	Gg .679	% 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									1438		SIP
1.	2 X	.750		600		61°			600		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		612	.999	1.214	1.072	7642
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.
1.					Specific Gravity Separator Gas	X X X X X X X X
2.					Specific Gravity Flowing Fluid	X X X X X
3.					Critical Pressure	P.S.I.A. P.S.I.A.
4.					Critical Temperature	R R
5.						

P _c 1450	P _c ² 2102500	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4607$	1.3796
NO	P _t ²	P _w	P _w ²
1		814	662596
2		(Calc)	
3			
4			
5			

Absolute Open Flow 10543		Mcfd @ 15.025	Angle of Slope	Slope, n .85
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Remarks: Well produced dry gas throughout test.				
GI	1-e-s	(Fc Q ₂)	R ²	Calc - PW
2405	.160	1799519	287923	814
Approved By Commission:		Conducted By: John Wright		Calculated By: B.J. Broughton
				Checked By:

skw