

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 3-25-81			
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Basin				Formation Dakota				Unit San Juan 30-5	
Completion Date 3-13-81		Total Depth 7954'		Plug Back TD		Elevation 6402'		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7954'	Perforations: From 7768' To 7792'		Well No. #50			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7706'	Perforations: From To		Unit M	Sec. 6	Twp. 30N	Rge. 5W
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		State New Mexico	
L	H	Gg .60	% CO ₂	% N ₂	% H ₂ S	Prover	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	2"	X	.750	47		58°	2410		2412		SIP
1.							47		321		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							Rate of Flow Q, Mcfd
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress Factor F _{sc}	
1	9.604		59	1.002	1.297	1.003	735
2.							
3.							
4.							
5.							

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NO.	P _t	Temp. °R	T _f	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.
5.					Critical Temperature	R

P _c 2424	P _c ² 5875776	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0192$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0144$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		333	110889	5764887
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 746$

Absolute Open Flow	746	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Well produced medium mist of water throughout test. Vented 163 MCF.

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: BJB
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BJB/skw