

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 3/30/81			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin				Formation Dakota				Unit San Juan 30-5	
Completion Date 3-21-81		Total Depth 8037'		Plug Back TD 7999'		Elevation 6584'		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8033'	Perforations: From 7928' To 7952'		Well No. #52			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7908'	Perforations: From To		Unit Sec. Twp. Rge. N 15 30N 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 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .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							2786		2792		SIP
1.	2"	X	.750	199		57°	199		731		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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		211	1.003	1.291	1.021	2679
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 Hydrocarbon _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 3004	P _c ² 9024016	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0652$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0485$
NO.	P _t ²	P _w	P _w ²
1		743	552049
2			
3			
4			
5			

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope e _____	Slope, n .75
Remarks: Well produced light to medium mist of water, vented 388 MCF.			
Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: <i>BJB</i>