

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 6-1-65

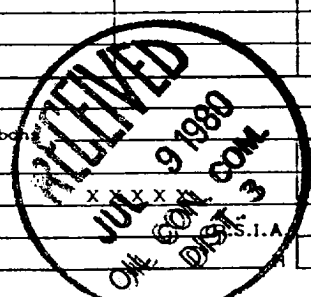
CONFIDENTIAL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-25-80			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin						Formation Dakota			
Completion Date 6-3-80						Total Depth 78.74		Plug Back TD 7860	
						Elevation 6399		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 11.6	d 10.5	d 4.052	Set At 7874	Perforations: From 7808 To 7827		Well No. 38		
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7814	Perforations: From To		Unit Sec. Twp. Rge. G 18 30N SW			
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 est. .578	% 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							2880		2900		SIP
1.	2 X .750			149		69°	149		685		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		161	.992	1.315	1.009	2035
2.							
3.							
4.							
5.							

NO.	P _t	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
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 2912	P _c ² 8479744	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0608$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0452$
NO P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	697	485809	7993935
2			
3			
4			
5			

Absolute Open Flow 2127		Mcf @ 15.025	Angle of Slope @	Slope, n .75
-------------------------	--	--------------	------------------	--------------

Remarks: Well produced light mist of water throughout test.			
---	--	--	--

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