

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 9-23-74	
Company Northwest Pipeline Corp.				Connection E P N G		
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 9-13-74		Total Depth 5680		Plug Back TD 5640		Elevation
Farm or Lease Name San Juan 29-6 Unit						
Csg. Size 4-1/2"	Wt. 10.5	d 4.052	Set At 5675'	Perforations: From 5024 To 5538		Well No. 11 (OWWO)
Tbg. Size 2-3/8"	Wt. 4.7	d 1.995	Set At 5521	Perforations: From To		Unit Sec. Twp. Rge. M 6 29 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At none		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		State New Mexico
L	H	Gg .675	% CO ₂	% N ₂	% H ₂ S	Prover 3/4" Pos 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.	
SI	10 day SIP						774		781	
1.	.750 Pos choke			181		92°	181		676	
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	12.365		193	.9706	.9427	1.017	2,221
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 793	P _c ² 628,849			
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		688	473,344	155,505
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{628849}{155505}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,334$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8517$$

Absolute Open Flow	6,334	Mcf/d @ 15.025	Angle of Slope θ	Slope, h	.75
--------------------	-------	----------------	------------------	----------	-----

Remarks: Well produced medium mist of H₂O and some distillate

Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>R.E. Ziller</i>
-------------------------	----------------------------------	-----------------------------------	-----------------------------------