

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 12-4-74	
Company Northwest Pipeline Corp.				Connection New completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-5	
Completion Date 11-24-74		Total Depth 5950		Plug Back TD 5916		Elevation 6562' GR	
Csg. Size 4-1/2"	Wt. 10.5	d 4.052	Set At 5950'	Perforations: From 5390' To 5778		Well No. 74	
Tbg. Size 2-3/8"	Wt. 4.7	d 1.995	Set At 5810'	Perforations: From To		Unit L Sec. 17 Twp. 29 Rge. 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas				Packer Set At none		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L	H	Gg .66	% CO ₂	% N ₂	% H ₂ S	Prover Pos. ck.	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							697		823		8 days
1.	Pos ck.	.750					148	61	411		3 hours
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	12.365		160	.9990	.9535	1.015	1913
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 Hydrocarbons _____ 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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{697,225}{518,296}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2491$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2390$
1					
2					
3					
4					

Absolute Open Flow <u>2390</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>.75</u>
--	--	-------------------------------	---------------------

Remarks: Unloaded slug of water in 1 min. Made fine mist of H₂O for 30 minutes then blew dry gas for remainder of test.

Approved By Commission:	Conducted By: Ross Lankford	Calculated By: Bob Fielder	Checked By:
-------------------------	--------------------------------	-------------------------------	-------------