

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 1/21/77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6	
Completion Date 1/4/77		Total Depth 5575		Plug Back TD 5540		Elevation 6280 Gr.	
Csg. Size 7.000 4.500		Wt. 20# 11.6#		d 6.456 4.000		Set At 3549 3363-5540	
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 5478	
Perforations: From 4942 To 5504				Well No. 58A			
Type Well - Single - Brodenhead - 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 12.0		State New Mexico	
L .		H .		Gg .694		% CO ₂ .	
N ₂ .		H ₂ S .		Office meter		Meter Run 4"	
Taps Flange							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4"	X	2.750	199	9.7	54°	421		733		3hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	130.00	4.6	9.7	1.006	1.200	1.021	7,149
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 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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} =$
1.	947	896809	745	555025	341784	2.6240	2.0616
2.							
3.							
4.							
5.							

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						14,739
2.						
3.						
4.						
5.						

Absolute Open Flow <u>14,739</u> Mcfd @ 15.025		Angle of Slope <u>0</u>		Slope, n <u>.75</u>	
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Remarks: Variable choke set @ 48/64. Well produced 3 bbls of liquid and 1 bbl of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
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