

OPEN FLOW TEST DATA

DATE June 30, 1977

Operator Northwest Production Corp.		Lease Jicarilla 123 C #26	
Location SE 8-25-04		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2 7/8	Set At: Feet 3850 ¹	Tubing: Diameter 1/C	Set At: Feet
Pay Zone: From 3702	To 3776	Total Depth: 3850	Shut In 6-23-77
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.3650	
Shut-In Pressure, Casing, PSIG 999	+ 12 = PSIA 1011	Days Shut-In 7	Shut-In Pressure, Tubing No
Flowing Pressure: P PSIG 9	+ 12 = PSIA 21	Working Pressure: P _w Calc.	PSIG 27
Temperature: T = 49 °F	F _t = 1.011	n = .85	F _{pv} (From Tables) 1.004
		Gravity .670	F _g = .9463

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = 12.3650(21)(1.011)(.9463)(1.004) = 249 \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = Q \left(\frac{1022121}{1021392} \right)^n = 249 (1.0007)^{.85} = 249(1.0006)$$

$$Aof = 249 \text{ MCF/D}$$

Note: Well blew dry gas. Vented to atmosphere 40 MCF of gas.

TESTED BY D. Howell

WITNESSED BY

C. R. Wagner
Well Test Engineer