

## OPEN FLOW TEST DATA

DATE August 3, 1976

Operator Northwest Production		Lease Jicarilla 123 C #19	
Location SE 5-25N-4W		County Rio Arriba	State New Mexico
Formation PC		Pool So. Blanco	
Casing: Diameter 2 7/8"	Set At: Feet 3786	Tubing: Diameter --	Set At: Feet --
Pay Zone: From 3668	To 3734	Total Depth: PBD 3775 3786	Shut In 7-27-76
Stimulation Method SW Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1015	+ 12 = PSIA 1027	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 231	+ 12 = PSIA 243		Working Pressure: P <sub>w</sub> PSIG Calc.	+ 12 = PSIA	320
Temperature: T = 59 °F	n = F <sub>t</sub> = 1.0010		F <sub>pv</sub> (From Tables) 1.027	Gravity 0.670	F <sub>g</sub> = 0.9463

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

$$Q = (12.365)(243)(1.0010)(.9463)(1.027) = 2923 \text{ MCF/D}$$

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

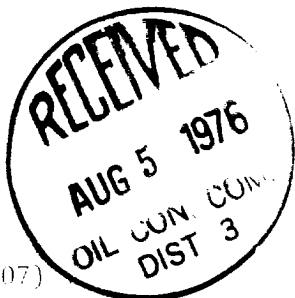
$$Aof = \left( \frac{1054729}{952329} \right)^{.85} = (2923)(1.1075) = (2923)(1.0907)$$

$$Aof = 3188 \text{ MCF/D}$$

NOTE: The well produced a light mist of water throughout the test. The well produced 417 MCF of gas during the test.

TESTED BY Jim Andes

WITNESSED BY



*Jim Andes*