

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 6, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #188	
Location 1655/N, 1154/W, Sec. 2, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3166'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3054'	To 3116'	Total Depth: PBT 3166' 3156'	Shut In 8-23-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 890	+ 12 = PSIA 902	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 108	+ 12 = PSIA 120		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 151	
Temperature: T = 73 °F	n = F _t = 0.9877		F _p v (From Tables) 1.008	Gravity .625	F _g = 0.9798

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

$$Q = 12.365(120)(0.9877)(0.9798)(1.008) = \underline{\quad 1447 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{813604}{790803} \right)^n = 1447(1.0288)^{.85} = 1447(1.0245)$$

$$Aof = \underline{\quad 1483 \quad} \text{ MCF/D}$$

Note: Blew clear gas for entire test.

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer

