

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

RETEST

DATE July 7, 1972

Operator El Paso Natural Gas Company		Lease Atlantic D Com H No. 9	
Location 1190'N, 1190'E, Section 16, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco Ext.	
Casing: Diameter 2.875	Set At: Feet 3180	Tubing: Diameter Tubingless	Set At: Feet
Pay Zone: From 3074	To 3086	Total Depth: 3180	Shut In 6-26-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 912	+ 12 = PSIA 924	Days Shut-In 11	Shut-In Pressure, Tubing PSIG Tubingless	+ 12 = PSIA	
Flowing Pressure: P PSIG 192	+ 12 = PSIA 204		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 257	
Temperature: T = 67 °F	n = .85		F _{pv} (From Tables) 1.010	Gravity .635	F _g = .9721

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

$$Q = (12.365)(204)(.9933)(.9721)(1.010) = \underline{\quad 2460 \quad} \text{ MCF/D}$$

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

$$Aof = \left(\frac{853776}{787727} \right)^n = (2460)(1.0838)^{.85} = (2460)(1.0708) =$$

$$Aof = \underline{\quad 2634 \quad} \text{ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY



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