

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 28, 1973

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 178	
Location 1600'S, 900'E, Section 1, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 2-7/8	Set At: Feet 3357	Tubing Diameter No Tubing	Set At: Feet
Pay Zone: From 3251	To 3275	Total Depth 3357	Shut In 6-18-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1031	+ 12 = PSIA 1043	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P, PSIG 195	+ 12 = PSIA 207		Working Pressure: Pw, PSIG Calculated	+ 12 = PSIA 264
Temperature: T = 72 °F	n = .85		Fpv (From Tables) 1.018	Gravity .645 Fg = .9645

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>s</sub> x F<sub>pv</sub>

Q = (12.365) (207) (.9887) (.9645) (1.018) = 2485 MCF/D

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

NOTE: Well produced dry gas.

Aof = Q  $\left( \frac{1087849}{1018153} \right)^n = 2485 (1.0685)^{.85} = 2485 (1.0579)$

Aof = 2629 MCF/D

TESTED BY Carl Rhames

WITNESSED BY



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