

OCC

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 4/23/73

Operator El Paso Natural Gas Company		Lease Sharp #4	
Location 1645'/N, 1840'/E, Sec. 18, T28N, R8W		County San Juan	State NM
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 2264	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2164	To 2232	Total Depth: 2264	Shut In 4/13/73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 735	+ 12 = PSIA 747	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 95	+ 12 = PSIA 107		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 128	
Temperature: T = 60 °F	F <sub>t</sub> = 1.000	n = .85	F <sub>p</sub> (From Tables) 1.007	Gravity .645	F <sub>g</sub> = .9645

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

$$Q = (12.365)(107)(1.000)(.9645)(1.007) = \underline{1285} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{558009}{541625} \right)^n = (1285)(1.0302)^{.85} = 1285 (1.0256)$$

$$Aof = \underline{1319} \text{ MCF/D}$$

NOTE: The well produced dry gas.

TESTED BY Norton

WITNESSED BY \_\_\_\_\_



*William D Welch*

William D. Welch

Well Test Engineer