

OCC

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 4-23-73

Operator El Paso Natural Gas Company		Lease Sharp #7	
Location 1460'/N, 990'/W. Sec. 18, T28N, R8W		County San Juan	State NM
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 2277	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2158	To 2224	Total Depth: 2277	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 640	+ 12 = PSIA 652	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 97	+ 12 = PSIA 109	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 130		
Temperature: T = 60 °F	F _t = 1.000	n = .85	F _p (From Tables) 1.007	Gravity .645	F _g = .9645

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

$$Q = (12.365)(109)(1.000)(.9645)(1.007) = \underline{1309} \text{ MCF/D}$$

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

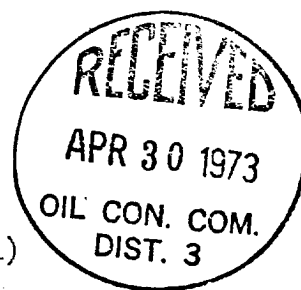
$$Aof = Q \left(\frac{425104}{408204} \right)^n = (1309)(1.0414)^{.85} = (1309)(1.0351)$$

$$Aof = \underline{1356} \text{ MCF/D}$$

NOTE: The well produced dry gas.

TESTED BY Norton

WITNESSED BY _____



William D. Welch
William D. Welch
Well Test Engineer