

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 7, 1975

Operator El Paso Natural Gas Company		Lease Scott #14	
Location 1750/S, 990/E, Sec. 8, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2969'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2776	To 2848'	Total Depth: PBDT 2972' 2958'	Shut In 9-30-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 860	+ 12 = PSIA 872	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 148	+ 12 = PSIA 160		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 199	
Temperature: T = 59 °F	n = Ft = 1.001		Fpv (From Tables) 1.014	Gravity .635	Fg = 0.9721

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

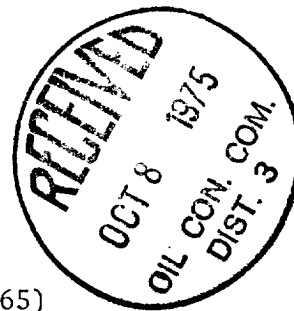
$$Q = (12.365)(160)(1.001)(.9721)(1.014) = \underline{1952} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{760384}{720783} \right)^n = (1952)(1.0549)^{.85} = (1952)(1.0465)$$

$$Aof = \underline{2043} \text{ MCF/D}$$

Note: The well produced dry gas throughout the test. The well produced 267.0 MCF gas during the test.

TESTED BY R. Hardy

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

*[Signature]*  
Well Test Engineer