

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 14, 1973

Operator El Paso Natural Gas Company		Lease Hughes A No. 11	
Location 1540'N, 1710'E, Section 34, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs Ext.		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3481	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3305	To 3438	Total Depth: 3481	Shut In 5-2-73
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 946	+ 12 = PSIA 958	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 55	+ 12 = PSIA 67		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 86	
Temperature: T = 60 °F	Ft = 1.000	n = .85	Fpv (From Tables) 1.007	Gravity .645	Fg = .9645

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

$$Q = (12.365)(67)(1.0000)(.9645)(1.007) = 805 \text{ MCF/D}$$

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

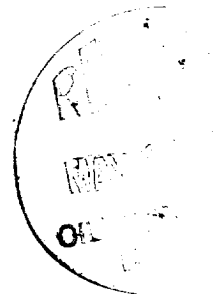
NOTE: Blew dry gas for entire test.

$$Aof = Q \left(\frac{917764}{910368} \right)^n = 805 (1.0081)^{.85} = 805 (1.0069)$$

$$Aof = 811 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY


William D. Welch

William D. Welch, Well Test Engineer