

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 8, 1974

Operator El Paso Natural Gas Company		Lease Atlantic D Com O #16	
Location 1550/S, 1150/W, Sec. 2, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3244'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3144	To 3190	Total Depth: PBDT 3250 3234	Shut In 3-28-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 690	+ 12 = PSIA 702	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 94	+ 12 = PSIA 106		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 134
Temperature: T = 62 °F	n = Ft = .9981		F _{pv} (From Tables) 1.007	Gravity .635 Fg = .9721

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

$$Q = 12.365(106)(.9981)(.9721)(1.007) = 1281 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{492804}{474848} \right)^n = 1281(1.0378)^{.85} = 1281(1.0321)$$

$$Aof = 1322 \text{ MCF/D}$$



TESTED BY Rhames

WITNESSED BY

Note: The well produced a light mist of water throughout the test.

Loren W. Fothergill

Loren W. Fothergill
Well Test Engineer