

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 18, 1975

Operator El Paso Natural Gas Co.		Lease Hubbell No. 17	
Location 800/N, 800/E, Sec 20, T29N, R10W		County San Juan	State New Mexico
Formation Fruitland		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 1893	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 1755	To 1809	Total Depth: 1893      1883	Shut In June 10, 1975
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 550	+ 12 = PSIA 562	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 19	+ 12 = PSIA 31		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 36	
Temperature: T = 60 °F      Ft = 1.000	n = .850		Fpv (From Tables) 1.004	Gravity .650      Fg = .9608	

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

$$Q = (12.365)(31)(1.000)(.9608)(1.004) = \underline{\quad 370 \quad} \text{ MCF/D}$$

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


$$Aof = Q \left( \frac{315844}{314548} \right)^n = 370 (1.004)^{.85} = 370 (1.003)$$

$$Aof = \underline{\quad 371 \quad} \text{ MCF/D}$$

Note: This well blew a heavy fog of water throughout the test. Gas vented to atmosphere 49.71 MCF.

TESTED BY J. Goodwin

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

  
Well Test Engineer

