

# EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE May 10, 1974

Operator El Paso Natural Gas Company		Lease Nye #11	
Location 1180/S, 800/W, Sec. 8, T29N, R10W		County San Juan	State New Mexico
Formation Fruitland		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 1941'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 1798'	To 1828'	Total Depth: PBD 1941' 1930'	Shut In 4-23-74
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 662	+ 12 = PSIA 674	Days Shut-In 17	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 58	+ 12 = PSIA 70		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 82
Temperature: T = 64 °F	n = Ft = .9962		Fpv (From Tables) 1.0090	Gravity .650 Fg = .9608

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

$$Q = 12.365(70)(.9962)(.9608)(1.0090) = \underline{836} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{454276}{447552} \right)^n = 836(1.0150)^{.85} = 836(1.0128)$$

$$Aof = \underline{847} \text{ MCF/D}$$

Note: The well blew dry gas.

TESTED BY C. R. Wagner

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

Loren W. Fothergill  
Loren W. Fothergill  
Well Test Engineer

