

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 31, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #173 (CH)	
Location 1460/S, 1030/E Sec. 17, T27N, R7W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 4091'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3976	To 3992	Total Depth: 4091	Shut In 1-24-74
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 1004	+ 12 = PSIA 1016	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 48	+ 12 = PSIA 60	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 79		
Temperature: T = 58 °F	F <sub>t</sub> = 1.0019	n = .75	F <sub>pv</sub> (From Tables) 1.004	Gravity .655	F <sub>g</sub> = .9571

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

$$Q = 12.365(60)(1.0019)(.9571)(1.004) = \underline{\quad 714 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{1032256}{1026015} \right)^n = 714(1.0061)^{.75} = 714(1.0046)$$

$$Aof = \underline{\quad 718 \quad} \text{ MCF/D}$$

Note: Well produced a dry flow.

TESTED BY Rhames

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

*Loren W. Fothergill*

Loren W. Fothergill  
Well Test Engineer

