

**EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA**

DATE January 23, 1975

Operator El Paso Natural Gas Company		Lease Lackey #7	
Location 2400/N, 1500/W, Sec. 26, T28N, R9W		County San Juan	State New Mexico
Formation Chacra		Pool Harris Mesa Ex. 1	
Casing: Diameter 2.875	Set At: Feet 3540'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3326	To 3468	Total Depth: PBDT 3540' 3529'	Shut In 1-16-75
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 1040	+ 12 = PSIA 1052	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 17	+ 12 = PSIA 29		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 37
Temperature: T = 54 °F	n = Ft = 1.0058		Fpv (From Tables) 1.004	Gravity .650 Fg = .9608

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

$$Q = 12.365(29)(1.0058)(.9608)(1.004) = \underline{\quad 348 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1106704}{1105335} \right)^n = 348(1.0012)^{.75} = 348(1.0009)$$

$$Aof = \underline{\quad 348 \quad} \text{ MCF/D}$$

Note: Medium fog of distillate and water during test.

TESTED BY Rhames & Johnson

WITNESSED BY _____

[Signature]
Well Test Engineer

