

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 18, 1975

Operator El Paso Natural Gas Co.		Lease San Jacinto No. 10	
Location 1790 N, 1650 E, Sec 17, T29N, R10W		County San Juan	State New Mexico
Formation Chacra		Pool Undes.	
Casing: Diameter 2.875	Set At: Feet 3235'	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 3141	To 3146	Total Depth: PSTD 3235' 3225	Shut In June 10, 1975
Stimulation Method Sandwater Frac		Flow Through Casing XY	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 1083	+ 12 = PSIA 1095	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA -----
Flowing Pressure: P PSIG 5	+ 12 = PSIA 17		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 22
Temperature: T = 54 °F F _t = 1.006	n = .750		F _{pv} (From Tables) 1.004	Gravity .655 F _g = .9571

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

$$Q = (12.365) (17) (1.006) (.9571) (1.004) = 203 \text{ MCF/D}$$

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

$$A_{of} = Q \left(\frac{1199025}{1198541} \right)^n = 203 (1.000)^{.75} = 203 (1.000)$$

A_{of} = 203 MCF/D

Note: This well blew a small stream of water throughout the test. During the test 25.37 MCF of gas was vented to atmosphere.

TESTED BY J. Goodwin

WITNESSED BY _____

Sandy W. Bink
Well Test Engineer

