

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE April 27, 1973

Operator El Paso Natural Gas Company		Lease San Jacinto No. 9	
Location 1180'N, 1600'W, Section 20, T29N, R10W		County San Juan	State New Mexico
Formation Chacra		Pool Undesignated	
Casing: Diameter 2-7/8"	Set At: Feet 3031	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2984	To 2994	Total Depth: 3031	Shut In 4-14-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1084	+ 12 = PSIA 1096	Days Shut-In 13	Shut-In Pressure, Tubing PSIG Tubingless	+ 12 = PSIA	
Flowing Pressure: P PSIG 43	+ 12 = PSIA 55		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 69	
Temperature: T = 62 °F	n = .075		F <sub>pv</sub> (From Tables) 1.004	Gravity .655	F <sub>g</sub> = .9571

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

$$Q = 12.365 \times 55 \times .9981 \times .9571 \times 1.004 = \underline{652} \text{ MCF/D}$$

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

NOTE: Well blew dry gas throughout test

$$Aof = Q \left( \frac{1201216}{1196455} \right)^n = (652)(1.0040)^{.75} = (652)(1.0030)$$

$$Aof = \underline{654} \text{ MCF/D}$$

MAY 2 1973  
OIL CO. COM.  
DIST. 3

TESTED BY Roger Hardy

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

*William D. Welch*  
William D. Welch, Well Test Engineer