

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 21, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Sellers No. 7	
Location 990/S, 1800/E, .Sec. 30 - 30N - 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2619	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2490	To 2527	Total Depth: 2619	Shut In 6-11-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 386	PSIG	+ 12 = PSIA 398	Days Shut-In 10	Shut-In Pressure, Tubing No Tubing	PSIG
Flowing Pressure: P 135	PSIG	+ 12 = PSIA 147		Working Pressure: P _w Calculated	PSIG
Temperature: T = 75 °F		n = .85		F _{pv} (From Tables) 1.012	Gravity .635
	F _t = .9859				F _g = .9721

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

$$Q = (12.365)(147)(.9859)(.9721)(1.012) = \underline{1763} \text{ MCF/D}$$

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

NOTE: The well blew dry gas.

$$Aof = \left(\frac{158404}{126363} \right)^n = (1.2536)^{.85} (1763) = (1.2118)(1763)$$

$$Aof = \underline{2136} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____



[Signature]
L. E. Mabe, Jr.