

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE August 1, 1972

Operator El Paso Natural Gas Company		Lease Fields No. 8	
Location 850/N, 1700/E, Sec. 29 - T 32N, R 11W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Ext.</i>		Pool <del>Undesignated</del> <i>Blanco</i>	
Casing: Diameter 2.875	Set At: Feet 3375	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3270	To 3348	Total Depth: 3375	Shut In 7-19-72
Stimulation Method S.W.F.		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1027	+ 12 = PSIA 1039	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 134	
Temperature: T = 65 °F	n =		F <sub>pv</sub> (From Tables) 1.009	Gravity .675	F <sub>g</sub> = .9427
F <sub>t</sub> = .9952	.85				

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

$$Q = 12.365 \times 105 \times .9952 \times .9427 \times 1.009 = \underline{1229} \text{ MCF/D}$$

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

NOTE: Well blew dry gas throughout the test.

$$Aof = \left( \frac{1079521}{1061565} \right)^n = (1229)(1.0169)^{.85} = (1229)(1.0144)$$

$$Aof = \underline{1246} \text{ MCF/D}$$

TESTED BY C. Rhames

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



*J. A. Jones*  
J. A. Jones