

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 30, 1971

Operator El Paso Natural Gas Company		Lease Turner Hughes No. 18	
Location 800'/N-800'E, S11, T27N, R9W		County San Juan	State New Mexico
Formation Chacra		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3321	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3090	To 3256	Total Depth: 3320	Shut In 9-22-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 900	+ 12 = PSIA 912	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 131	+ 12 = PSIA 143		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 181	
Temperature: T = 66 °F F _t = .9943	n = 0.75		Fpv (From Tables) 1.015	Gravity 0.660 F _g = .9535	

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

$$Q = 12.365 \times 143 \times .9943 \times .9535 \times 1.015 = 1702 \text{ MCF/D}$$

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

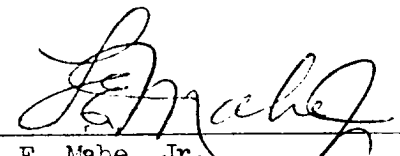
NOTE: Well blew dry gas throughout test.

$$Aof = \left(\frac{831744}{798983} \right)^n = 1702 (1.0410)^{.75} = 1702 (1.0306)$$

$$Aof = 1754 \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____


 L. E. Mabe, Jr.