

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8-19-71

Operator El Paso Natural Gas Company		Lease Hancock B No. 2	
Location 1600' S, 1050' W, S 31, T28N, R9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2514	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2388	To 2423	Total Depth: 2514	Shut In 8-6-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 569	+ 12 = PSIA 581	Days Shut-In 13	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 140	+ 12 = PSIA 152	Working Pressure: P _w PSIG calculated	+ 12 = PSIA 185		
Temperature: T = 64 °F	n = .85	F _{pv} (From Tables) 1.014	Gravity .645	F _g = .9645	

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

$$Q = 12.365 \times 152 \times .9962 \times .9645 \times 1.014 = 1831 \text{ MCF/D}$$

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

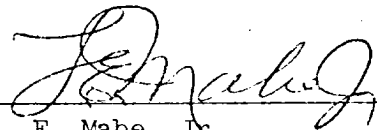
Note: Well blew dry gas throughout test.

$$Aof = \left(\frac{337561}{303336} \right)^n = 1831(1.1128)^{.85} = 1831(1.0950)$$

$$Aof = 2005 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY


 L. E. Mabe, Jr.