

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 16, 1972

Operator El Paso Natural Gas Company		Lease Nye No. 8	
Location 1730/N, 1650/W Sec. 9, 29N, 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2289	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2172	To 2204	Total Depth: 2289	Shut In 6-6-72
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 591	+ 12 = PSIA 603	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 200	+ 12 = PSIA 212	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 254		
Temperature: T = 67 °F	n = .85	F _{pv} (From Tables) 1.018	Gravity .635	F _g = .9721	

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

$$Q = (12.365)(212)(.9933)(.9721)(1.018) = 2577 \text{ MCF/D}$$

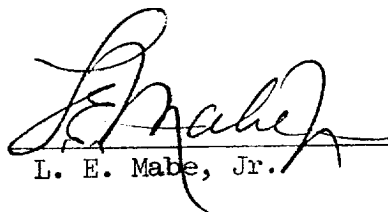
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{NOTE:}$$

$$Aof = \left(\frac{363609}{299093} \right)^n = (2577)(1.2157)^{.85} = (2577)(1.1806)$$

$$Aof = 3042 \text{ MCF/D}$$

TESTED BY Don Norton

WITNESSED BY



L. E. Mabe, Jr.

