

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 24, 1962

Operator El Paso Natural Gas Company		Lease Johnston State No. 10	
Location 800'N, 1700'W, Sec. 36-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3340	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3237	To 3262	Total Depth: 3359	Shut In 10-13-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 1064	+ 12 - PSIA	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG No Tubing	+ 12 - PSIA	----
Flowing Pressure: P, PSIG 93	+ 12 - PSIA		Working Pressure: P _w , PSIG Calc.	+ 12 - PSIA	134
Temperature: T 59 F	F _t 1.0010		E _{pv} (From Tables) 1.007	Gravity .620	F _g = .9837

CHOCKE VOLUME : Q = C x P_i x F_t x F_g x F_{pv}

$$Q = (12.365)(105)(1.0010)(.9837)(1.007) = 1287 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,157,776}{1,139,820} \right)^n = (1.0157)^{.85}(1287) = (1.0133)(1287)$$

$$Aof = 1304 \text{ MCF/D}$$

NOTE: Light spray of water and distillate throughout test.TESTED BY D. R. Roberts

WITNESSED BY

Checked by W. D. Dawson

RECEIVED
OCT 30 1962
OIL CON. COM.
DIST. 3
Lewis D. Galloway