

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 23, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 133	
Location 1600'S, 1650'W, Sec. 14, T-27-N R-7-W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5 1/2"	Set At: Feet 7790	Tubing: Diameter 2.375	Set At: Feet 7716
Pay Zone: From 7552	To 7746	Total Depth: 7791 C/O 7758	Shut In 10-8-62
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		Baker Model "EGJ" Packer at 5665	
Shut-In Pressure, Casing, PSIG 1726	+ 12 = PSIA 1738	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 2129	+ 12 = PSIA 2141	
Flowing Pressure: P, PSIG 320	+ 12 = PSIA 332		Working Pressure: P _w , PSIG 1647	+ 12 = PSIA 1659	
Temperature: T 71 °F	F _g .9896	F _g .75	F _{pv} (From Tables) 1.048	Gravity .780	F _g .8771

CHOKE VOLUME = $Q = C \times P_i \times F_g \times F_{pv}$

$$Q = (12.365)(332)(.9896)(.8771)(1.048) = 3734 \text{ MCF/D}$$

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

$$\text{Aof } \left(\frac{4,583,881}{1,831,600} \right)^n (2.5026)^{.78} (3734) = (1.9900)(3734)$$

NOTE: Blew heavy spray of water and distillate throughout the test.

$$\text{Aof } 7431 \text{ MCF/D}$$

TESTED BY Dennie R. Roberts

WITNESSED BY _____

Checked by W. D. Dawson


H. L. Kendrick

