

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE **September 6, 1961**

Operator <b>El Paso Natural Gas Company</b>	Lease <b>San Juan 27-5 No. 65</b>
Location <b>890'N, 1840'W, Sec. 17-27N-5-W</b>	County <b>Rio Arriba</b> State <b>New Mexico</b>
Formation <b>Pictured Cliffs</b>	Pool <b>Tapacito PC</b>
Casing Diameter <b>2-7/8" O.D.</b> Set At Feet <b>3458</b>	Tubing Diameter <b>No Tubing</b> Set At Feet <b>----</b>
Pay Zone From <b>3385</b> To <b>3403</b>	Total Depth <b>3458 C/O 3452</b> Shut In <b>8-22-61</b>
Stimulation Method <b>Sand/Water Frac.</b>	Flow Through Casing <b>X</b> Flow Through Tubing <b></b>

Choke Size, Inches <b>.750</b>	Choke Constant, C <b>12.365</b>	<b>Tubingless Completion</b>
Shut-In Pressure, Casing, PSIG <b>988</b>	PSIA <b>1000</b> Days Shut-In <b>15</b>	Shut-In Pressure, Tubing, PSIG <b>No Tubing</b> PSIA <b>----</b>
Flowing Pressure, P, PSIG <b>367</b>	PSIA <b>379</b>	Working Pressure, Pw, PSIG <b>(Calc.)</b> PSIA <b>491</b>
Temperature, T, F <b>68</b>	n <b>.9924</b> Gravity <b>.85</b>	F <sub>v</sub> (From Tables) <b>1.037</b> Gravity <b>.650</b> F <sub>g</sub> <b>.9608</b>

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

$$Q = (12.365)(379)(.9924)(.9608)(1.037) = 4634 \text{ MCF/D}$$

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

Aof  $\left( \frac{1,000,000}{758,919} \right)^n$

$$(1.3176)^{.85}(4634) = (1.2640)(4634)$$

Aof **5857** MCF/D



NOTE: Blew fair mist of water during entire test.

RECORDED BY **D. E. Mortensen**

WITNESSED BY

Checked by: W. D. Dawson

*Lewis D. Galloway*  
L. D. Galloway