

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 23, 1963

Operator Beta Development Company	Lease San Juan Unit 29-6 No. 81
Location Unit L, Sec. 25-29-6	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4.500	Tubing Diameter 2.375
Set At Feet 7709	Set At Feet 7726
Pay Zone From 7709	Total Depth 7796
Stimulative Method Sand/Water Frac.	Flow Through Casing 12-16-63
	Flow Through Tubing X

Choke Size, inches 0.750	Choke Constant, C 12.365
Shut-in Pressure, Casing, PSIG 2581	Days Shut-in 7
Flowing Pressure, Casing, PSIG 289	Shut-in Pressure, Tubing, PSIG 2585
Temperature 75	Working Pressure, Pw, PSIG 1190
.9859	Spv (From Tables) 1.028
.75	Gravity .670
	Factor .9463

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4 \times P_5$

$$C = (12.365)(301)(.9859)(.9463)(1.028)$$

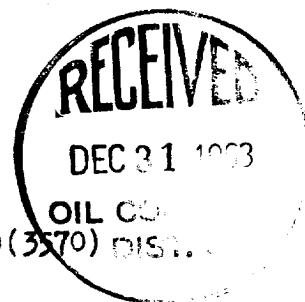
3570

MCF/D

OPEN FLOW Act $Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_a^2} \right)^n$

Act $\left(\frac{6,744,409}{5,299,605} \right)^n$

$$(1.2726)^{.75} (3570) = (1.1981)(3570) \text{ DIST.}$$



NOTE: Medium to heavy fog of distillate and water for entire test period.

Act **4277**

MCF/D

By **George Hoffman (Beta)**

Witnessed by **T. B. Grant (EPNG)**

Checked by **H. L. Kendrick**

