

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 19, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 138	
Location 890'N, 790'E, Sec. 25-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Tubing Diameter 4.5	Set At Feet 7789	Tubing Diameter 2.375	Set At Feet 7586
Flow Zone From 7462	To 7684	Total Depth 7789	Shut In 7-7-62
Seal-off Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750	Choke Constant, C 12.365	Days Shut-in 12	Shut-in Pressure, Tubing 2575	PSIG - 12 PSIA 2587
Initial Pressure, PSIG 2460	PSIG - 12 PSIA 2472	Working Pressure, Pw 1228	PSIG - 12 PSIA 1240	
Flowing Pressure, P 421	PSIG - 12 PSIA 433	Flow From Tables 1.043	Gravity .670	Flow Through Tubing .9463
Temperature 78	.9831	.75		

FLOW VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = (12.365)(433)(.9831)(.9463)(1.043)$$

5,195

MCF D

$$Q = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{6,692,569}{5,154,969} \right)^n (1.2982)^{.75} (5195) = (1.2163)(5195)$$

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

Q = 6319

MCF D

Dannie R. Roberts

Checked by:

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