

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 22, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 29-6 No. 30
Location 1650'N, 790'E, Sec. 10-29-6	County Rio Arriba State New Mexico
Section Mesa Verde	Pool Blanco
Well Diameter 4-1/2" Liner Set At Feet 3474 - 5729	Tubing Diameter 2.375 Set At Feet 5644
Flow Zone 5224 To 5664	Total Depth 5732 c/o 5680 Shut In 6-13-62
Completion Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Pressure Constant .750	Shut-In Pressure, Casing 990 PSIG	Shut-In Pressure, Tubing 986 PSIG	Working Pressure, P _w 819 PSIG
Days Shut-In 9	Flowing Pressure, P _f 347 PSIG	Flowing Pressure, P _w 819 PSIG	Gravit. .650 Fg .9608
Temperature 73	Pressure Constant 12.365	Pressure Constant 1002	Pressure Constant 359
Pressure Constant .9877	Pressure Constant .75	Pressure Constant 1.033	Pressure Constant .9608

Q = C x P_i x P_f x F_g x F_{pv}

$$Q = (12.365)(359)(.9877)(.9608)(1.033)$$

4351 MCF/D

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

$$Q = \left(\frac{6,004,004}{313,443} \right)^n (4351)(3.2031)^{.75} = (4351)(2.3943)$$

10,418 MCF/D



NOTE: Blew heavy spray of distillate throughout test.

Dannie R. Roberts

Checked by: H. L. Kendrick

Lewis D. Galloway
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