

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 27, 1956

Operator El Paso Natural Gas Company	Lease Rincon Unit # 70
Location 1090'N, 990'E, Sec. 27-27-7	County Rio Arriba State New Mexico
Well Name Pictured Cliff	Well South Blanco
Casing Depth 5 1/2 Set At Feet 3187	Tubing Diameter 2" Set At Feet 3153
Perforation Depth 3084 To 3154	Total Depth 3187 - c/o - 3160
Seal-off Method Sand Water Frac	Flow Through Casing Flow Through Tubing X

Choke Size, inches 0.75	Choke Pressure, C 14.1605	Graben Pressure, Tubing 992 PSIG 12 PSIA	Graben Pressure, Pw 514 PSIG 12 PSIA
Graben Pressure, Casing 992 PSIG 12 PSIA	Graben Pressure, Pw 514 PSIG 12 PSIA	Flow From Tubing 1.028	Gravity .655 est.
Flowing Pressure, P 267 PSIG 12 PSIA	Flowing Pressure, Pw 514 PSIG 12 PSIA		
Temperature, F 56	Temperature, Pw .85		

CHOKE VOLUME, Q = C x P₁ x E x F_g x F_{pv}

$$= 14.1605 \times 279 \times 1.0039 \times .9571 \times 1.028$$

3902

MCF/D

OPEN FLOW, A = C

$$\left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$= \left(\frac{1,008,016}{731,340} \right)^n (1.3783)^{.85} \times 3902 = 1.3135 \times 3902$$

5125

MCF/D

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