

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 8, 1959

Operator El Paso Natural Gas		Federal No. 32-E	
Location 890N, 1650W; 32-26-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Undesignated	
Casing Diameter 5-1/2	Set Air Feet 3966	Tubing Diameter 1-1/4	Set Air Feet 3922
Flow Line Length 3894	3918	Total Depth 3966 c/o 3946	Shut In: 6/30/59
Stimulation Treatment Sand Water Frac.		Flow Through Casing X	

Choke Size, in. .75	Choke Constant 12.365	Shut-In Pressure, PSIG 1001	Shut-In Pressure, PSIA 1013	Shut-In Pressure, Tubing 8	Shut-In Pressure, PSIG 1004	Shut-In Pressure, PSIA 1016
Flowing Pressure, P 177	Flowing Pressure, PSIA 189	Flowing Pressure, P 225	Flowing Pressure, PSIA 237	Flowing Pressure, Tubing 1.021	Flowing Pressure, PSIG 1.021	Flowing Pressure, PSIA 1.695
Temperature, T 51	Temperature, T .85	Temperature, T 1.021	Temperature, T 1.695	Temperature, T 1.021	Temperature, T 1.695	Temperature, T 1.695

CHOKE VOLUME, Q = C x P₁ x F₁ x F₂ x F₃ x F₄

C = 12.365 x 189 x 1.0088 x .9292 x 1.021 = 2237 MCF/D

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

Q = $\left(\frac{1032256}{976087} \right)^n$

1.0575^{.85} x 2237 = 1.0481 x 2237

Q = 2346 MCF/D

Tested By Jesse B. Goodwin

Witnessed By

Checked By S. V. Roberts

Lewis D. Galloway
L. D. Galloway



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