

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 15, 1961

Operator El Paso Natural Gas Company	Lease San Juan 32-7 No. 35
Location 1070'N, 1100'E, Sec. 22-32N-7W	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 5-1/2 Set At Feet 8130	Tubing Diameter 2-3/8 Set At Feet 8212
Pay Zone From 8143 To 8219	Total Depth 8311 c/o 8250 Shut In 11-6-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	4" Liner from 8028 to 8311
Surface Pressure, PSIG 2895	IS - PSIG 2907 Days Solution 9	IS - PSIG 2895
Flowing Pressure, PSIG 240	IS - PSIA 252	Working Pressure, PSIG 901
Temperature, °F 75	IS - °F .9859 .75	IS - °F .610 .9918
		1.019

CHOKED VOLUME $Q = C \times R_1 \times R_2 \times R_3 \times R_4 \times R_5$

$$Q = (12.365)(252)(.9859)(.9918)(1.019)$$

3105

MCF/D

OPEN FLOW $Asf = \left(\frac{P_i^2 - P_w^2}{P_i^2 - P_w^2} \right)^n$

$$Asf = \left(\frac{8,450,649}{7,617,080} \right)^n \quad (1.1094)^{.75}(3105) = (1.0810)(3105)$$

Asf 3357

MCF/D

NOTE: Blew light fog of water throughout test.

C. R. Wagner

Checked by: W. D. Dawson

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