

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 11, 1960

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-6 No. 95	
Location 1175'S, 1100'W, 15-27N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blasco P.C.	
Casing: Diameter 2-1/2"	Set At: Feet 3237	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 3154	To 3218	Total Depth: 3247 C/O 3221	Shut In 8/26/60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches 0.75		Choke Constant: C 12.365		"Slim Hole"	
Shut-In Pressure, Casing, PSIG 1102	PSIA 1114	Days Shut-In 46	Shut-In Pressure, Tubing, PSIG ---	PSIA ---	
Flowing Pressure: P, PSIG 104	PSIA 116	Working Pressure: Pw, PSIG Calc.	PSIA 147		
Temperature: T, °F 57	F _v 1.0029	F _{pv} (From Tables) 1.010	Gravity .650	F _g .9608	

CHOKE VOLUME $Q = C \times P_i \times F_v \times F_g \times F_{pv}$

$$Q = (12.365)(116)(1.0029)(.9608)(1.010)$$

1,396 MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,240,996}{1,219,387} \right)^n (1.0177)^{.85} (1396) = (1.0150)(1396)$$

A_{of} **1417** MCF/DTESTED BY **Don Mortenson**

WITNESSED BY

Calculated by **R. L. Nickell, Jr.**Checked by **W. D. Dawson**

Lewis D. Galloway
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