

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 26, 1961

Operator El Paso Natural Gas Company	Lease San Juan 32-9 No. 23 (OWO)
Location 990'B, 990'W, Sec. 5-31N-9W	County San Juan State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 4-1/2" O.D. Set At: Feet 5900	Tubing: Diameter 2-3/8" O.D. Set At: Feet 5854
Pay Zone: From 5366 To 5866	Total Depth 5906 c/o 5875 Shut-In 10-4-61
Stimulation: Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365
Shut-in Pressure, Casing, PSIG 911	Days Shut-In 22
Flowing Pressure: P, PSIG 162	Shut-in Pressure, Tubing, PSIG 909
Temperature: T, F 80	Working Pressure: Pw, PSIG 624
F, .9813	Fpv (From Tables) 1.015
.750	Gravity .667
	Eg - .9498

CHOKE VOLUME $Q = C \times P_r \times F \times F_g \times F_{pv}$

$$Q = (12.365)(174)(.9813)(.9498)(1.015)$$

2035

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_r^2}{P_c^2 - P_w^2} \right)^n$

$$Aof = \left(\frac{851,929}{447,433} \right)^n$$

$$(1.9040)^{.75} (2035) = (1.6210)(2035)$$

Aof

3299

MCF/D



NOTE: Blew fairly heavy mist of water throughout test.

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked by: W. D. Dawson

H. L. Kendrick
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