

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 19, 1961

Operator El Paso Natural Gas Company		Lease San Juan 28-5 No. 48	
Location 1150'S, 850'W, Sec. 22-28N-5W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7" O.D.	Set At Feet 3899	Tubing: Diameter 1-1/4" O.D.	Set At Feet 5933
Pay Zone: Feet 5792	In 5954	Total Depth: 6015 C/O 5969	Shut In 7-11-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches 0.750		Choke Constant: C 12.365		4-1/2" O.D. 9.5 lbs. Liner from 3788 to 6015	
Shut-In Pressure, Casing, 1094	PSIG - 12 PSIA	Days Shut-In 8	Shut-In Pressure, Tubing 809	PSIG - 12 PSIA	821
Flowing Pressure: P 185	PSIG - 12 PSIA	Working Pressure: P _w 351	PSIG - 12 PSIA	369	
Temperature: 63	n	Fr. From Tables) 1.019	Grav. v. .650	F _g .9608	
F ₁ .9971	.750				

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365)(197)(.9971)(.9608)(1.019)$$

2378

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{1,223,236}{1,087,075} \right)^n (1.1252)^{.75} (2378) = (1.0926)(2378)$$

Aof

2598

MCF/D

TESTED BY

Jesse B. Goodwin

WITNESSED BY

Checked by W. D. Dawson

Lewis D. Galloway
L. D. Galloway

