

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE September 18, 1962

Operator El Paso Natural Gas Company		Lease Phillips State No. 1 (OWO)	
Location 1647'S, 900'W, Sec. 16-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4-1/2	Set At: Feet 5892	Tubing: Diameter 2.375	Set At: Feet 5838
Pay Zone: From 5407	To 5850	Total Depth: 5891	Shut In 9-6-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365		CORRECTED COPY	
Shut-In Pressure, Casing, PSIG 947	PSIG + 12 = PSIA 959	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 723	PSIG + 12 = PSIA 735	
Flowing Pressure, P, PSIG 157	PSIG + 12 = PSIA 169		Working Pressure: Pw, PSIG 602	PSIG + 12 = PSIA 614	
Temperature: T, F 78	n .9831		Fpv (From Tables) 1.022	Gravity .780	Fg .8771

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365)(169)(.9831)(.8771)(1.022) = 1842 \text{ MCF/D}$$

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

$$Aof \left(\frac{919,681}{542,685} \right)^n (1.6946)^{.75} (1842) = (1.4850)(1842)$$

Aof **2735** MCF/D



NOTE: Blew heavy mist of water entire test.

TESTED BY Jesse B. Goodwin

WITNESSED BY

Checked by T. B. Grant

Lewis D. Galloway
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