

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 7, 1963

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-5 No. 6L	
Location 1850'N, 790'E, Sec. 28-28-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.50	Set At: Feet 7965	Tubing: Diameter 2.375	Set At: Feet 7905
Pay Zone: From 7934	To 7756	Total Depth: 7965	Shut In 2-25-63
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2608	12 - PSIA 2620	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 2618
Flowing Pressure: P, PSIG 108	12 - PSIA 120		Working Pressure: P _w , PSIG 1448
Temperature: 78 °F	n .75	F _{pv} (From Tables) 1.052	Gravity .730
F _r = .9831		F _g = .9066	

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

$$Q = (12.365)(120)(.9831)(.9066)(1.052) = \underline{4869} \text{ MCF/D}$$

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

$$Aof = \left(\frac{6,916,900}{4,785,300} \right)^n = (4869)(1.4454)^{.75} = (1.3180)(4869)$$

NOTE: Blew heavy fog of H₂O entire test.

$$Aof = \underline{6417} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

Checked by Tom B. Grant

