

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 23, 1962**

Operator J. Glenn Turner		Lease Omler No. 2-14	
Location 1760'N, 1480'E, Sec. 14-29-10		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.500	Set At: Feet 6958	Tubing Diameter 2.375	Set At: Feet 6680
Perforation Zone: From 6685	To 6778	Total Depth TBTD 6910	Shut In 10-17-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Drake Size, Inches .75		Choke Constant: C 12.365	
Bottom Pressure, Casing, PSIG 2094	PSIG - 12 - PSIA 2106	Days Shut-in 6	Bottom Pressure, Tubing, PSIG 2091
Flowing Pressure: P, PSIG 205	PSIG - 12 - PSIA 217		Flowing Pressure: Pw, PSIG 906
Temperature, °F 68	Pressure Coefficient .9924		Pressure Coefficient 1.023
			Gravity .690
			Specific Gravity .9325

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

$$Q = (12.365)(217)(.9924)(.9325)(1.023)$$

2540

MCF D

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

ILLEGIBLE

$$Aof = \left(\frac{4,435,236}{3,592,512} \right)^n (1.2345)^{.75} (2540) = (1.1713)(2540)$$

NOTE: Heavy Fog of distillate and water throughout test.

Aof 2975

MCF D

Checked by **Tom Grant**

W. D. Dawson

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H. L. Kendrick
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