

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 10, 1959**

Operator Benson Montin Greer	Lease Davis 1-X
Location 1650N, 1650W; 12-27-13	County San Juan State New Mexico
Formation Dakota	Pool Undesignated
Casing Diameter 5-1/2	Set At Feet 6057
Flow Through Casing 5878	Flow Through Tubing X
Tubing Diameter 2	Set At Feet 5987
Total Depth 6058 P.B. 6028	Shut-In 11/4/59
Flow Through Casing Sand Water Frac.	Flow Through Tubing X

Choke Constant .75	Choke Constant 12.365
Shut-In Pressure, Casing 2130	Shut-In Pressure, Tubing 2128
Flowing Pressure, Casing 549	Working Pressure, Pw 1299
Temperature 79	Gravity .631
PSIG 2142	PSIG 2140
PSIG 561	PSIG 1311
PSIG .9822	PSIG .9759
PSIG .75	PSIG 1.048

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

$$Q = 12.365 \times 561 \times .9822 \times .9759 \times 1.048$$

6968

MCF/D

$$Q = C \left(\frac{P_c^2}{P_w^2} \right)^n$$

$$Q = C \left(\frac{4588164}{2869443} \right)^n$$

$$1.5989^{.75} \times 6967 = 1.4214 \times 6967$$

$$Q = 9904 \text{ MCF/D}$$



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