

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 1, 1957

Operator El Paso Natural Gas Company		Lease Dawn # 3	
Location 1750'S, 990'W, Sec. 32-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 4299	Tubing: Diameter 2"	Set At: Feet 4492
Pay Zone: From 4428	To 4524	Total Depth 4641 - c/o - 4550	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 14.1605		5 1/2" liner - 4254 to 4639	
Shut-In Pressure, Casing, PSIG 1058	12 - PSIA 1070	Days Shut-In 25	Shut-In Pressure, Tubing, PSIG 1059	12 - PSIA 1071
Flowing Pressure: F, PSIG 297	12 - PSIA 309		Working Pressure: Fw, PSIG 650	12 - PSIA 662
Temperature: T 70	F, °F .75		Fpw From Tables 1.034	Gravity .710

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

$$Q = 14.1605 \times 309 \times .9905 \times .9193 \times 1.034 \times 4120 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1^2 - P_2^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,147,041}{708,797} \right)^{.75} \times 4120 = 1.434 \times 4120$$

$$A_{of} = 5908 \text{ MCF/D}$$

TESTED BY K. C. McBride

WITNESSED BY _____



Lewis D. Galloway.
L. D. Galloway

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