

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **September 29, 1959**

Operator Benson Montin Greer		Lease Ginther No. 2	
Location 23108, 1850W; 13-27-13		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 5-1/2	Set At Feet 6033	Tubing Diameter 2	Set At Feet 6000
Perforation To 5846	To 5998	Total Depth 6033 c/o 6012	9/22/59
Stratigraphic Met Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size (inches) 0.750	Choke Coefficient 12.365		
Shut-in Pressure (PSIG) 2071	PSIG - 12 PSIA 2083	Shut-in Pressure (Tubing) 2044	PSIG - 12 PSIA 2056
Flowing Pressure (PSIG) 309	PSIG - 12 PSIA 321	Working Pressure (Flow) 881	PSIG - 12 PSIA 893
Temperature (°F) 74	Flow Factor 0.750	Exp From Tubing 1.027	Gravity 0.631

$$Q_{OG} \text{ (VOLUME)} = C \times P_1 \times F_1 \times F_2 \times F_{gv}$$

$$Q = 12.365 \times 321 \times .9868 \times .9759 \times 1.027$$

3926

MCF/D

$$Q_{OG} \text{ (WALL FLOW)} = \left(\frac{P_1^2 - P_2^2}{P_0^2 - P_1^2} \right)^n$$

$$\text{Act } b = \left(\frac{4338889}{3541440} \right)^n$$

$$1.2251^{.75} \times 3926 = 1.1643 \times 3926 =$$

$$\text{Act } 4571 \text{ MCF/D}$$

Tom Grant (EPNG)

Virgil Stoabs (EMG)



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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