

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 7, 1959

Operator Benson-Montin-Greer		Lease Fullerton No. 2	
Location 7908, 790E; 28-28-13		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 6278	Tubing: Diameter 2"	Set At: Feet 6161
Pay Zone: From 6111	To 6161	Total Depth: 6280 c/o 6204	Shut In: 7/10/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1921	- 12 - PSIA 1933	Days Shut-In 28	Shut-in Pressure, Tubing PSIG 1802
Flowing Pressure: P PSIG 272	- 12 - PSIA 284	Working Pressure: P _w PSIG 727	- 12 - PSIA 739
Temperature: T °F 75	n .75	F _{pv} (From Tables) 1.023	Gravity .631

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

$$Q = 14.1605 \times 284 \times .9859 \times .9759 \times 1.023 = 3958 \text{ MCF/D}$$

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

$$Aof = \left(\frac{3736489}{3190368} \right)^n \times 1.1711^{.75} \times 3958 = 1.1259 \times 3958$$

$$Aof = 4456 \text{ MCF/D}$$

TESTED BY S. V. RobertsWITNESSED BY V. Stoabs (B.M.G.), Jerry Long (USGS)

Lewis D Galloway
L. D. Galloway

GIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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