

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 24, 1959

Operator Benson-Montin-Greer		Lease Ginther No. 1	
Location 790N, 790E; 13-27-13		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 6017	Tubing: Diameter 2"	Set At: Feet 6002
Pay Zone: From 5895	To 6002	Total Depth: 6018 c/o 6010	Shut in: 5/18/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2086	- 12 - PSIA 2098	Days Shut-In 67	Shut-In Pressure, Tubing, PSIG 2019
Flowing Pressure: P, PSIG 527	- 12 - PSIA 539		Working Pressure: Pw, PSIG 1369
Temperature: T, F 71			Fpv (From Tables) 1.049
			Gravity .631

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

$$Q = 12.365 \times 539 \times .9896 \times .9759 \times 1.049$$

6752

MCF/D

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

$$Aof = \left(\frac{4401604}{2494443} \right)^n \quad 1.7645^{.75} \times 6752 = 1.5301 \times 6752$$

$$Aof = 10331 \text{ MCF/D}$$

TESTED BY S. V. RobertsWITNESSED BY Virgil Stoabs (EMG), Roy Eidal (Royal Dev. Co.)

L. D. Galloway
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OIL CONSERVATION COMMISSION

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