

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 30, 1958

Operator El Paso Natural Gas		Lease Sunray No. 3-B	
Location 990S, 900W, 21-30-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2"	Set At: Feet 3009	Tubing: Diameter 1-1/4	Set At: Feet 2892
Pay Zone: From 2864	To 2910	Total Depth: 3009	Shut-in 4/16/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 666	- 12 = PSIA 678	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 666
Flowing Pressure: P PSIG 41	- 12 = PSIA 53	Working Pressure: Pw PSIG 46	- 12 = PSIA 58
Temperature: T °F 60	n 85	Fpv (From Tables) 1.004	Gravity .654

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

$$Q = 12.365 \times 53 \times 1.0000 \times .9608 \times 1.004 = \underline{632} \text{ MCF/D}$$

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

$$Aof = \left(\frac{459684}{456320} \right)^n = (1.0073)^{.85} \times 632 = 1.0062 \times 632 =$$

Aof = 637 MCF/DTESTED BY Jess GoodwinWITNESSED BY
Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

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