

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 17, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla # 2-H	
Location 990'N, 1600'W, Sec. 5-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool	
Casing: Diameter 5½	Set At: Feet 2960	Tubing: Diameter 1¼	Set At: Feet 2907
Pay Zone: From 2884	To 2916	Total Depth: 2972 - P.B. - 2940	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 938	12 = PSIA 950	Days Shut-In 35	Shut-In Pressure, Tubing PSIG 938
Flowing Pressure: P PSIG 85	12 = PSIA 97		Working Pressure: P _w PSIG 89
Temperature: T °F 62			F _{pv} (From Tables) 1.009
			Gravity .670

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

$$Q = 12.365 \times 97 \times .9981 \times .9463 \times 1.009$$

1143

MCF/D

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

$$Aof = \left(\frac{902,500}{892,299} \right)^n (1.0114)^{.85} \times 1143 = 1.0097$$

Aof 1154 MCF/D

TESTED BY R. A. Ullrich

WITNESSED BY Virgil Stoabs (J. Glenn Turner) cc: (4)

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