

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 10, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 7-J	
Location 990'S, 990'E, Sec. 20-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3032	Tubing: Diameter 1 1/4	Set At: Feet 2951
Pay Zone: From 2894	To 2958	Total Depth: c/o - 2975	
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 1012	- 12 - PSIA 1024	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 1012
Flowing Pressure: P 161	- 12 - PSIA 173		Working Pressure: Pw, PSIG 232
Temperature, T 73	F .85		Fpv (From Tables) 1.015
			Gravity .650

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_{pv}$ $Q = 12,365 \times 173 \times .9877 \times .9608 \times 1.015$ 2060 MCF D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_r^2}{P_a^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{1,048,576}{989,040} \right)^n \quad 1.0601^{.85} \times 2525 = 1.0508 \times 2060$$

 $A_{of} = 2165$ MCF D

TESTED BY R. A. Ullrich
 WITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)

L. D. Galloway
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