

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 29, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 5-J	
Location 990'N, 1650'E, Sec. 19-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3131	Tubing: Diameter 1 1/4	Set At: Feet 3083
Pay Zone: From 3040	To 3098	Total Depth: 3132 - c/o 3110	
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 989	- 12 = PSIA 1001	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 992
Flowing Pressure: P PSIG 194	- 12 = PSIA 206		Working Pressure: P _w PSIG 273
Temperature: T °F 70			Fpv (From Tables) 1.019
			Gravity .655

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

$$Q = 12.365 \times 206 \times .9905 \times .9571 \times 1.019 \quad 2461 \quad \text{MCF D}$$

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

$$A_{of} = \left(\frac{1,008,016}{926,791} \right)^n = 1.0876^{.85} \times 2461 = 1.0739 \times 2461$$

$$A_{of} = 2643 \quad \text{MCF D}$$

Well blew considerable liquid during entire test period.

TESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (J. Glenn Turner)cc: Virgil Stoabs (4)

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