

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 20, 1958

Operator El Paso Natural Gas		Lease Rincon No. 106	
Location 800S, 1683E, 18-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3284	Tubing: Diameter 1-1/4	Set At: Feet 3204
Pay Zone: From 3184	To 3198	Total Depth: 3295	Shut-In 5-5-58 Flow Through Tubing
Stimulation Method Sand Water Frac		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant: C 14.1605		
Shut-In Pressure, Casing 1080	PSIG - 12 = PSIA 1092	Days Shut-In 15	Shut-In Pressure, Tubing 1082
Flowing Pressure: P 121	PSIG - 12 = PSIA 133		PSIG - 12 = PSIA 1094
Temperature: T 69		Fpv (From Tables) 1.014	Gravity 0.688

CHOKE VOLUME: $Q = C \times P_c \times F_p \times F_g \times F_{pv}$

$$Q = 14.1605 \times 133 \times .9915 \times .9359 \times 1.014 = 1772 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1196836}{1176672} \right)^n$$

$$(1.0171)^{.85} \times 1772 = 1.0145 \times 1772 =$$

$$A_{of} = 1798 \text{ MCF/D}$$

TESTED BY Jesse Goodwin

WITNESSED BY _____

Checked By Robert R. Davis

Lewis D. Galloway
L. D. Galloway

NIL CONSERVATION COMMISSION

SECRET OFFICE

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