

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1960

Operator El Paso Natural Gas Co.	Lease Jicarilla No. 13-B
Location 9908, 990E; 34-25N-4W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool So. Blanco PC
Casing Diameter 2-1/2" Set At Feet 3281	Tubing Diameter No Tubing Set At Feet -
Pay Zone From 3218 To 3262	Total Depth 3299 c/o 3274 Shut In 7/29/60
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing -

Choke Size, Inches .75	Choke Constant, C 12.365	"Slim Hole"
Shut-In Pressure, Casing, PSIG 587	PSIG + 12 PSIA 599	Shut-In Pressure, Tubing, PSIG No tubing
Flowing Pressure, PSIG 116	PSIG + 12 PSIA 128	Working Pressure, PSIG Calc. 163
Temperature 66	.9943	Flow From Tables 1.013
	.85	.682
		.9393

CHOKE VOLUME $Q = C \times r_c \times r_p \times F_g \times F_{pv}$

$$Q = 12.365 \times 128 \times .9943 \times .9393 \times 1.013$$

1497

MCF/D

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

$$A_{of} = \left(\frac{358801}{328176} \right)^n$$

$$1.0933^{.85} \times 1497 = 1.0787 \times 1497$$

A_{of}

1615

MCF/D

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