

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 14, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 3-B	
Location 1090'S, 1650'E, Sec. 28-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5 1/2	Set At Feet 3215	Tubing Diameter 2"	Set At Feet 3144
Pay Zone From 3132	To 3162	Total Depth 3225 - c/o 3165	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant 12.365		
Shut-In Pressure, Casing 1003	PSIG $\frac{1}{12}$ PSIA 1015	Days Shut-In 13	Shut-In Pressure, Tubing 1003
Flowing Pressure, P 271	PSIG $\frac{1}{12}$ PSIA 283		Working Pressure, Pw 642
Temperature, T 65	F .85		Gravity 1.028
			.660

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = 12.365 \times 283 \times .9952 \times .9535 \times 1.028$$

3414

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

$$Aof = \left(\frac{1,030,225}{602,509} \right)^n \times 1.7098^{.85} \times 3414 = 1.577 \times 3414$$

Aof = 5384

MCF/D

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