

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

OLD WELL WORKED OVER

DATE July 26, 1956

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit # 13	
Location 1650'E, 1650'N, Sec. 14-31-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At: Feet 4669 - 5546	Tubing Diameter 2	Set At: Feet 5467
Flow Zone From 4891	To 5465	Total Depth: 5550 - c/o - 5490	
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing 982	PSIG - 12 PSIA 994	Days Shut-In 8	Shut-In Pressure, Tubing 980
Flowing Pressure 374	PSIG - 12 PSIA 386	Working Pressure: Pw 840	PSIG - 12 PSIA 852
Temperature: T 77	F .75	Flow From Tables 1.037	Gravity .670

CHOKE VOLUME $Q = C \times P_r \times F_1 \times F_g \times F_v$

$$Q = 14.1605 \times 386 \times .9840 \times .9463 \times 1.037$$

5278

MCF/D

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

$$Aof = \left(\frac{988,036}{262,132} \right)^n \cdot 3.7692^{-.75} \times 5278 = 2.703 \times 5278$$

Aof 14,266

MCF/D

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DISSEMINATION

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