

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE May 21, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 27	
Location S50N, 1845E, 15-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8"	Set At Feet 3863	Tubing Diameter 2"	Set At Feet 5926'
Pay Zone From 5/86'	5936'	Total Depth 6023'	Shut-In 2-20-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner 3815' - 6020'	
Shut-in Pressure, Casing, PSIG 1120	PSIA 1132	Days Shut-In 90	Shut-in Pressure, Tubing, PSIG 1121	PSIA 1133	
Flowing Pressure: P 241	PSIG 253		Working Pressure: P _w 222	PSIG 234	
Temperature: T 70			Fpv (From Tables) 1.025	Gravity .672	

CHOKE VOLUME: $Q = C \times P_r \times F_v \times F_g \times F_{pv}$

$$Q = 12.365 \times 253 \times .9905 \times .9463 \times 1.025 = 3005 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1283689}{881733} \right)^n$$

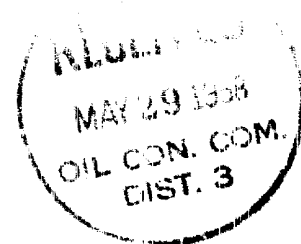
$$1.4558^{.75} \times 3005 = 1.327 \times 3005 =$$

$$Aof = 3986 \text{ MCF/D}$$

TESTED BY F. M. Clark

WITNESSED BY

Checked By M. W. Rischard



Lewis D. Galloway
L. D. Galloway

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