

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 10, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #53	
Location 1550S, 1090W, Sec. 28-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5½	Set At: Feet 5647	Tubing: Diameter 2"	Set At: Feet 5587
Pay Zone: From 5488	To 5633	Total Depth: 5647	c/o 5640
Stimulation Method Sand water frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1072	- 12 = PSIA 1084	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1064
Flowing Pressure: P PSIG 379	- 12 = PSIA 391	Working Pressure: P _w PSIG 850	- 12 = PSIA 862
Temperature: T 69	F n = 0.750	F _{pv} (From Tables) 1.045	Gravity 0.700 (Est.)

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

$$Q = (14.1605) (391) (.9915) (.9258) (1.045) \dots 5,311 \dots \text{MCF/D}$$

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

$$A_{cf} = \left(\frac{1,175,056}{432,012} \right)^{.75} (2.72) q = 2.118 (q)$$

$$A_{cf} = 11,249 \dots \text{MCF/D}$$

TESTED BY D. C. Adams

WITNESSED BY

L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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