

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 3, 1958**

Operator El Paso Natural Gas		Lease Mitcham State 1	
Location 1750N, 1650E; 2-25-8		County San Juan	State New Mexico
Fracture Pictured Cliffs		Well Ballard	
Flowing Pressure 5-1/2	Set At, Feet 2773	Tubing Diameter 1-1/4	Set At, Feet 2719
Flow Zone, Feet 2660	2740	Total Fracture 2750	Re shut in 11/21/58
Flowing Through Tubing Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75	Choke Constant, C 12.365	Shut-in Pressure, Tubing 615	PSIG - 12 - PSIA 627
Shut-in Pressure, Flow 615	PSIG - 12 - PSIA 627	Flowing Pressure, Flow 13	PSIG - 12 - PSIA 25
Flowing Pressure, Flow 13	PSIG - 12 - PSIA 25	Temperature, T 55	Gravity .67
Temperature, T 55	Gravity .67	Flow Through Tubing 1.004	

CHOKED VOLUME $Q = C \times R \times F \times F_v \times F_g$

$12.365 \times 25 \times 1.0048 \times .9463 \times 1.004$ **295** MCF/D

$$Q = Q \left(\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{393129}{392453} \right)^n$$

$$1.0017^{.85} (295) = 1.0014 (295)$$

295 MCF/D



RECORDED BY **M. W. Rischard**

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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