

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATAOLD WELL WORKED OVERDATE February 6, 1958

Operator El Paso Natural Gas Company		Lease Grambling No. 2	
Location 1650 'N, 1650 'E, Sec. 27-29-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7	Set At: Feet 3704	Tubing: Diameter 2"	Set At: Feet 4445
Pay Zone: From 3750	To 4398	Total Depth: 4475	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner. 3673 - 4510	
Shut-In Pressure, Casing, PSIG 763	- 12 = PSIA 775	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 439	- 12 = PSIA 451	
Flowing Pressure: P, PSIG 270	- 12 = PSIA 282		Working Pressure: P _w , PSIG 591	- 12 = PSIA 603	
Temperature: T, °F 63	n .75		F _{pv} (From Tables) 1.027	Gravity .648	

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

$$Q = 12.365 \times 282 \times .9971 \times .9645 \times 1.027 = \underline{3444} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{600,625}{237,016} \right)^n = 2.5341^{.75} \times 3444 = 2.0085 \times 3444$$

$$A_{of} = \underline{6917} \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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