

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 17, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 25	
Location 1650'S, 1600'W, Sec. 13-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 4605	Tubing Diameter 2	Set At: Feet 6760
Pay Zone: From 6486	To 6732	Total Depth: 6840 - c/o 6780	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		5-1/2 liner - 6825	
Shut-In Pressure, Casing, PSIG 1024	12 - PSIA 1036	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1029	12 - PSIA 1041	
Flowing Pressure: P, PSIG 212	12 - PSIA 224		Working Pressure: P _w , PSIG 568	12 - PSIA 580	
Temperature, F 71			F _{pv} (From Tables) 1.022	Gravity .678	

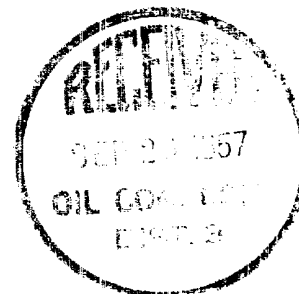
CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ $Q = 12.365 \times 224 \times .9896 \times .9427 \times 1.022 = 2641$ MCF/D

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

$$A_{of} = \left(\frac{1,083,681}{747,281} \right)^n \quad 1.4501^{.75} \times 2641 = 1.3230 \times 2641$$

A_{of} 3494 MCF/DTESTED BY Richard Proctor

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

U L CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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