

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 3, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit # 71	
Location 1840'S, 1150'W, Sec. 34-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5 1/2	Set At: Feet 5153	Tubing Diameter 2	Set At: Feet 5113
Pay Zone: From 4454	To 5140	Total Depth: 5165	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 1101	PSIG - 12 - PSIA 1113	Days Shut-In 20	Shut-In Pressure, Tubing, PSIG 1093
Flowing Pressure, P, PSIG 361	PSIG - 12 - PSIA 373		Working Pressure: P _w , PSIG 790
Temperature, T 76	F .75		F _{pv} (From Tables) 1.039
			Gravity .695

CHOKE VOLUME Q = C x P₁ x F₁ x F_g x F_{pv}

Q = 14.1605 x 373 x .9850 x .9292 x 1.039 = 5023 MCF/D

OPEN FLOW Aof = Q $\left(\frac{P_1}{P_1 - P_w} \right)^n$ Aof = $\left(\frac{1,238,799}{595,565} \right)^{.75} \times 5023 = 5023 (2.0799)^{.75} = 5023 \times 1.7310$

Aof = 8695 MCF/D

TESTED BY R. A. Ullrich

WITNESSED BY



L. D. Galloway
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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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