

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 21, 1960

Operator La Plata Gathering System	Lease San Juan 32-5 No. 1-23
Location 790'S, 1850'W, 23-32-6	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 5-1/2" Set At: Feet 8069 at 8079	Tubing Diameter 2-3/8 Set At: Feet 8007 at 8017
Perforation From 7834 To 7970	Total Depth 8080 c/o 8040 Shut In 12-14-60
Fluid Water Sand Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, inches .75	Choke Constant: C 12.365		
Shut-in Pressure, Casing, PSIG 2840	PSIG - 12 - PSIA 2852	Days Shut-in 7	Shut-in Pressure, Tubing, PSIG - 12 - PSIA 2630
Flowing Pressure: P (Tbg) 492	Flowing Pressure: Pw 504		Working Pressure: Pw (Csg) 1047
Temperature, °F 86	Temperature, °F .9758		Temperature, °F 1.043
			Gravity .650
			Fg .9608

CHOKE VOLUME $Q = C \times P_r \times F_g \times F_v \times F_{gr}$

$Q = (12.365)(504)(.9759)(.9608)(1.043) \dots 6095 \dots \text{MCF/D}$

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

$A_{of} = \left(\frac{8,133,904}{7,012,423} \right)^n$

$(1.1599)^{.75}(6095) + (1.1178)(6095)$

$A_{of} = 6813 \dots \text{MCF/D}$



TESTED BY **Jess Goodwin (EPNG)**

WITNESSED BY **Virgil Stoabs (BMG)**

Calculated by **W. D. Dawson**

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