

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 21, 1956

Operator Benson-Montin		Lease Quitau A-1	
Location 845'N, 820'E, Sec. 9-25-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 5 1/2	Set At: Feet 2181	Tubing: Diameter 1	Set At: Feet 2158
Pay Zone: From 2158	To 2181	Total Depth: 2181	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

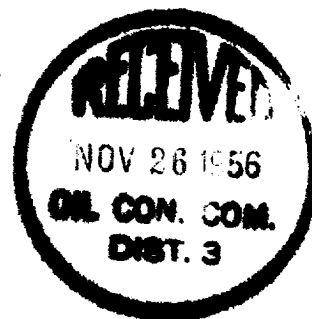
Choke Size, Inches 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 570	12 PSIA 582	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 570
Flowing Pressure: P, PSIG 55	12 PSIA 67		Working Pressure: Pw, PSIG 60
Temperature: T, °F 52	.85		Flow (From Tables) 1.010
			Gravity .655 Est.

Open 10:45 @ 1:45

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ $Q = 14.1605 \times 67 \times 1.0078 \times .9571 \times 1.010$ **924** MCF D

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

$$Aof = \left(\frac{338,724}{333,540} \right)^n = (1.0155)^{.85} \times 924 = 1.0132 \times 924$$

Aof **936** MCF DTESTED BY **L. D. Galloway**WITNESSED BY **Virgil Stoabs**

cc: Benson-Montin-Greer (4)

L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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