

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE August 29, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 76	
Location 990'N, 990'E, Sec. 22-28-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 5875	Tubing: Diameter 1-1/4	Set At: Feet 3540
Pay Zone: From 3492	To 3550	Total Depth: 5875 - c/o 5810	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75"		Choke Constant: C 12.365		5-1/2" liner 3611 to 5870	
Shut-In Pressure, Casing, PSIG 941	PSIA 953	Days Shut-In 46	Shut-In Pressure, Tubing, PSIG 941	PSIA 953	
Flowing Pressure: P, PSIG 86	PSIA 98		Working Pressure: Pw, PSIG 89	PSIA 101	
Temperature: T, F 58			Fpv (From Tables) 1.007	Gravity .630	

Start SIPT (Mesa Verde) - 1066 psig; Final SIPT (Mesa Verde) - 1067 psig

CHOKE VOLUME $Q = C \times P_r \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 98 \times 1.0019 \times .9759 \times 1.007 = 1193 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{908,209}{898,008} \right)^n = 1.01135^{.85} \times 1193 = 1.0096 \times 1193$$

$$A_{of} = 1204 \text{ MCF/D}$$

TESTED BY Jess Goodwin and R. A. Ullrich

WITNESSED BY _____

cc: E. J. Coel, Jr. (6)



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

5

O. B. Anderson

A. G.

1911-1912

1911-1912

1911-1912

1911-1912

1911-1912

1911-1912

1911-1912

1911-1912