

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE September 5, 1957

Operator El Paso Natural Gas		Lease San Juan 28-7 Unit No. 76	
Location 990'N, 990'E, Sec. 22-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3639	Tubing: Diameter 2	Set At: Feet 5741
Pay Zone: From 5142	To 5790	Total Depth: 5875 - c/o 5810	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365		5-1/2" liner - 3611 to 5870	
Shut-In Pressure, Casing, PSIG PC 918	- 12 = PSIA 930	Days Shut-In 53	Shut-In Pressure, Tubing PSIG 1072	- 12 = PSIA 1084
Flowing Pressure: P PSIG 362	- 12 = PSIA 374		Working Pressure: P _w PSIG Calculated	- 12 = PSIA 759
Temperature: T °F 68	n = .75		F _{pv} (From Tables) 1.037	Gravity .660

Final SIPC (Pictured Cliffs) - 923 psig. Packer at 3665. Sleeve at 3573

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 374 \times .9924 \times .9535 \times 1.037 = 4538 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,175,056}{598,975} \right)^n \cdot 1.9617^{.75} \times 4538 = 1.6590 \times 4538$$

$$Aof = 7529 \text{ MCF/D}$$

TESTED BY R. A. Ullrich and J. Goodwin

WITNESSED BY _____

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



Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION BOARD COMMISSION

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