

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETIONDATE November 20, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 66	
Location 890'N, 1650'E, Sec. 11-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3577	Tubing: Diameter 1-1/4	Set At: Feet 3508
Pay Zone: From 3424	To 3490	Total Depth: 5812	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner. 3533-5808	
Shut-In Pressure, Casing, PSIG 1106	- 12 = PSIA 1118	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG 1106	- 12 = PSIA 1118	
Flowing Pressure: P, PSIG 102	- 12 = PSIA 114		Working Pressure: Pw, PSIG 105	- 12 = PSIA 117	
Temperature: T, F 55	n 0.85		Fpv (From Tables) 1.011	Gravity 0.670	

Final SIPT (MV) - 1040 psig. 2" at 5645. Packer at 3669. Sleeve at 3509

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

$$Q = 12.365 \times 114 \times 1.0048 \times .9463 \times 1.011 = 1355 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,249,924}{1,236,235} \right)^n = 1.0110^{.85} \times 1355 = 1.0094 \times 1355$$

$$Aof = 1368 \text{ MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)

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