

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE November 18, 1957

Operator El Paso Natural Gas Company		Lease Riddle No. 5-F	
Location 790'N, 1090'E, Sec. 32-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 2391	Tubing: Diameter 1-1/4	Set At: Feet 2301
Pay Zone: From 2250	To 2290	Total Depth: 4718 - c/o 4675	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inche 0.750	Choke Constant: C 12.365	5-1/2" liner. 2340 - 4713	
Shut-In Pressure, Casing, PSIG 808	- 12 = PSIA 820	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 808
Flowing Pressure: P, PSIG 216	- 12 = PSIA 228	Working Pressure: Pw, PSIG 221	- 12 = PSIA 233
Temperature: T, °F 62	n : 0.85	Fpv (From Tables) 1.021	Gravity 0.645

Final SIPT (MV) - 1045 psig. 2" at 4660. Packer at 2354. Sleeve at 2288

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 228 \times .9981 \times .9645 \times 1.021 = \underline{2771} \text{ MCF/D}$$

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

$$Aof = \left(\frac{672,400}{618,111} \right)^n = 1.0878^{.85} \times 2771 = 1.0742 \times 2771$$

$$Aof = \underline{2977} \text{ MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway



NOT OFFICE

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