

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 16, 1957

Operator El Paso Natural Gas		Lease Storey No. 3 (PM)	
Location 1050'S, 950'W, Sec. 26-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 2730	Tubing: Diameter 1-1/4	Set At: Feet 1
Pay Zone: From 2510	To 2555	Total Depth: 4955 - c/o 4930	
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 - 2683 to 4952	
Shut-in Pressure, Casing 934	PSIG	12	PSIA	Days Shut-in 16	Shut-in Pressure, Tubing 934
Flowing Pressure: P 357	PSIG	12	PSIA		Working Pressure: Pw 366
Temperature: T 65	F				Flow (From Tables) 1.037
					Gravity .665

Start SIPT (MV) - 1053 psig; Final - 1057 psig. Packer at 2790. Sleeve at 2570

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_v$

$$Q = 12.365 \times 369 \times .9952 \times .9498 \times 1.037$$

4472

MCF D

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

$$A_{of} = \left(\frac{894,916}{752,032} \right)^n \quad 1.1899^{.85} \times 4472 = 1.1589 \times 4472$$

$$A_{of} = 5183 \quad \text{MCF D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. S. Oberly (6)



L. D. Galloway
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