

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 7, 1956

Operator El Paso Natural Gas Company		Lease San Juan 27-4 Unit # 6	
Location 863'S, 970'W, Sec. 31-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5½	Set At: Feet 4249	Tubing: Diameter 2"	Set At: Feet 4120
Pay Zone: From 4136	To 4164	Total Depth: TD - 4249 - c/o - 4180	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1026	PSIA 1038	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1026
Flowing Pressure: P PSIG 343	PSIA 355	Working Pressure: Pw PSIG 747	PSIA 759
Temperature: T °F 69	n 0.85	Fpv (From Tables) 1.035	Gravity 0.650 est.

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

$$Q = (14.1605) \times (355) \times (.9915) \times \frac{(.9608)}{(1.035)} \times 4957 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,077,444}{501,363} \right)^n (2.149)^{.85} Q = (1.914) Q$$

$$Aof = 9488 \text{ MCF/D}$$

TESTED BY D. C. Adams

WITNESSED BY _____

by: L. L. Kendrick

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 2

Mr. [illegible]		
Mr. [illegible]		
Mr. [illegible]	/	
Mr. [illegible]		
Mr. [illegible]		
Mr. [illegible]	/	
Mr. [illegible]		
Mr. [illegible]		
Mr. [illegible]	/	
Mr. [illegible]		
Mr. [illegible]	/	✓
Mr. [illegible]		