

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 1, 1956

Operator J. Glenn Turner		Lease Huerfanito Unit #54-22	
Location 870S, 1675E, Sec. 22-27-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5 1/2	Set At Feet 2293	Tubing Diameter 1	Set At Feet 2213
Pay Zone From 2126	To 2293	Total Depth 2293	
Shut-in Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches -		Choke Constant, C -	
Shut-in Pressure, Casing 639	PSIG	PSIA 651	Days Shut-in 21
XXXXXXXXXXXX			
21.3 inches H₂O through 1 inch nipple			
Temperature, F .85		Shut-in Pressure, Tubing 639	PSIG
		PSIA 651	
		Working Pressure, Pw 4	PSIG
		PSIA 16	
		Ppv (From Test)	Gravity

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

C Volume measured by pitot tube

136 MCF/D

$$OPEN FLOW Aof = \left(\frac{P_1^2 - P_A^2}{P_1^2 - P_A^2} \right)^n$$

$$Aof = \left(\frac{423,801}{423,545} \right)^n \quad 136 (1.0006)^{.85} = 136 \times 1.0005$$

Aof 136

MCF/D

TESTED BY H. L. Kendrick

WITNESSED BY Virgil Stoabs

Benson-Montin-Greer (4)



L. D. Galloway
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