

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 24, 1968

Operator El Paso Natural Gas Company		Lease Feville No. 1 (0.575)	
Location 1650'N, 200'W, Sec. 13, T-29-N, R-9-W		County San Juan	State New Mexico
Formation Harris Vardo		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5432	Tubing: Diameter 2.375	Set At: Feet 5432
Pay Zone: From 4691	To 5386	Total Depth: 5440	Shut In 4-16-68
Stimulation Method Sand Water Foam		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 607	+ 12 = PSIA 619	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 544	+ 12 = PSIA 556	
Flowing Pressure: P PSIG 220	+ 12 = PSIA 232		Working Pressure: Pw PSIG 740	+ 12 = PSIA 752	
Temperature: T = 65 °F	Ft = .9952	n = .75	Fpv (From Tables) 1.027	Gravity .730	Fg = .9995

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

$$Q = (12.365)(232)(.9952)(.9995)(1.027) = 2695 \text{ MCF/D}$$

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

$$Aof = \left(\frac{670,761}{103,752} \right)^n = (2695)(6.4650)^{.75} = (2695)(4.0944)$$

NOTE: The well produced a light spray of dist. and water throughout the test.

$$Aof = 10,927 \text{ MCF/D}$$

TESTED BY H. B. McAnally
 CHECKED _____
 WITNESSED BY C. R. Garner



H. L. Kendrick
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