

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 26, 1965

Operator El Paso Natural Gas Company		Lease Storey "B" No. 6	
Location 1550'N, 1700'E, Sec. 11, T-30-N, R-11-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.375	Set At: Feet 2597	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2465	To 2502	Total Depth: 2600	Shut In 1-16-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 532	+ 12 = PSIA 544	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 174	+ 12 = PSIA 186	Working Pressure: P _w (Calc.) PSIG	+ 12 = PSIA		
Temperature: T = 63 °F	n = .85	Fpv (From Tables) 1.017	Gravity .650	Fg = .2600	

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_1 \times F_g \times F_v$$

$$Q = (12.365) (186) (.9971) (.9608) (1.017) = 2241 \text{ MCF/D}$$

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

$$Aof = \left(\frac{295936}{244407} \right)^n = (2241) (1.2106)^{.85} = (2241) (1.1768)$$

$$Aof = 2637 \text{ MCF/D}$$

TESTED BY Don NortonCalculated By W. D. Dawson
WITNESSED BY

Lewis D. Galloway
Lewis D. Galloway