

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 6, 1972

Operator El Paso Natural Gas Company		Lease Atlantic B No. 13	
Location 1650'S, 890'E, Section 5, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Under Blanco Ext.	
Casing: Diameter 2.875	Set At: Feet 3055	Tubing: Diameter Tubingless	Set At: Feet
Pay Zone: From 2944	To 2966	Total Depth: 3055	Shut In 6-26-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 943	+ 12 = PSIA 955	Days Shut-In 10	Shut-In Pressure, Tubing PSIG Tubingless	+ 12 = PSIA	
Flowing Pressure: P PSIG 179	+ 12 = PSIA 191		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 240	
Temperature: T = 63 °F	F _t = .9971	n = .85	F _{pv} (From Tables) 1.016	Gravity .635	F _g = .9721

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

$$Q = (12.365)(191)(.9971)(.9721)(1.016) = \underline{2326} \text{ MCF/D}$$

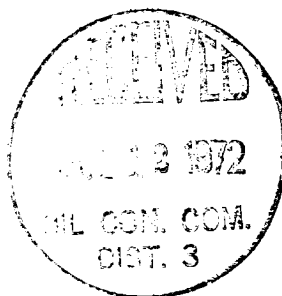
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{912025}{854425} \right)^n = (2326)(1.0674)^{.85} = (2326)(1.0570) =$$

$$Aof = \underline{2458} \text{ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY _____



J. A. Jones
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