

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 8/4/72

Operator El Paso Natural Gas Company		Lease San Juan 28-4 Unit No. 35	
Location 1525/N, 1650/E, Sec. 33-T28N-R4W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4,500	Set At: Feet 8,686	Tubing: Diameter 2,375	Set At: Feet 8,459
Pay Zone: From 8,490	To 8,661	Total Depth: 8,686	Shut In 7/28/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Plate Choke Size, Inches 2.750		Plate Choke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 2,433	+ 12 = PSIA	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2424	+ 12 = PSIA	2436
Flowing Pressure: P PSIG 161	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG 852	+ 12 = PSIA	864
Temperature: T = 83 °F Ft = .9786	n = .75		Fpv (From Tables) 1.012	Gravity .610	Fg = 1.280

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = Calculated From Meter Readings = 1,937 MCF/D

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

Aof =  $\left( \frac{5,978,025}{5,231,529} \right)^n = (1937) (1.1427)^{.75} = (1937) (1.1052)$

Aof = 2141 MCF/D

Note: Well produced very small amount of water.

TESTED BY \_\_\_\_\_

WITNESSED BY \_\_\_\_\_

*J. A. Jones*  
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