

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Johnston "A" #15	
Location 1460/S, 800/E, Sec. 36, T26N, R6W		County Rio Arriba	State NM
Formation Chacra <i>Eyt.</i>		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3639	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3488	To 3500	Total Depth: 3639	Shut In 12/18/72
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 854	+ 12 = PSIA 866	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 102	+ 12 = PSIA 114	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 148		
Temperature: T = 58 °F	n = Ft = 1.002	Fpv (From Tables) 1.010	Gravity .655	Fg = .9571	

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365) (114) (1.002) (.9571) (1.010) 1365 MCF/D

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

Aof = Q $\left(\frac{749956}{728052} \right)^n = (1365) (1.0301)^{.75} = (1365) (1.0225) = 1396$

Aof = 1396 MCF/D

NOTE: Well produced dry gas throughout test.

TESTED BY J. A. Jones

WITNESSED BY

J. A. Jones
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Well Test Engineer

