

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 10/11/72

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 30-6 Unit #102-Y	
Location 1720/N, 1490/E, Sec. 22-T30N-R6W		County Rio Arriba	State NM
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6171	Tubing: Diameter 2.375	Set At: Feet 6134
Pay Zone: From 5427	To 6142	Total Depth: 6171	Shut In 10/2/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 884	+ 12 = PSIA 896	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 881	+ 12 = PSIA 893	
Flowing Pressure: P PSIG 122	+ 12 = PSIA 134		Working Pressure: Pw PSIG 430	+ 12 = PSIA 442	
Temperature: T = 62 °F	Ft = .9981	n = .75	Fpv (From Tables) 1.012	Gravity .630	Fg = .9759

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(134)(.9981)(.9759)(1.012) = \underline{1633} \text{ MCF/D}$$

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

$$Aof = \left(\frac{802 \ 816}{607 \ 452} \right)^n = (1633)(1.3216)^{.75} = (1633)(1.2326) =$$

$$Aof = \underline{2013} \text{ MCF/D}$$

NOTE: Well unloaded a medium spray of distillate and water in three minutes and continued to produce a light spray of distillate and water throughout the test.

TESTED BY Don Norton

WITNESSED BY _____

J. A. Jones
J. A. Jones
Well Test Engineer

