

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 19, 1964

Operator Beta Development Company		Lease Sandia Federal No. 1	
Location 995'S, 1125'E, Sec. 29, T-30-N, R-11-W		County San Juan	State New Mexico
Formation Dakota		Pool Dacota	
Casing: Diameter 4.500	Set At: Feet 6755	Tubing: Diameter 3.000	Set At: Feet 6738
Pay Zone: From 6620	To 6774	Total Depth: 6850	Shut In 8-12-64
Stimulation Method Sand Water Brac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365		Company Distribution Only			
Shut-in Pressure, Casing, PSIG 2049	+ 12 = PSIA 2061	Days Shut-in 7	Shut-in Pressure, Tubing PSIG 1928	+ 12 = PSIA 1940			
Flowing Pressure: P PSIG 343	+ 12 = PSIA 355	Working Pressure: Pw PSIG 1004	+ 12 = PSIA 1016				
Temperature: T = 86 °F	Ft = .9759	n = .75	Fpv (From Tables) 1.032	Gravity .670	Fg = .9463		

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_{pv}

Q = (12.365)(355)(.9759)(.9463)(1.032) = 4,183 MCF/D

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

Aof = $\left(\frac{4,247,721}{3,215,465} \right)^n = (1.3210)^{.75} (4183) = (1.2320)(4183) =$

Aof = 5,153 MCF/D

TESTED BY George Hoffman (Beta)

WITNESSED BY T. B. Grant (EPNG)



Lewis D. Galloway
Lewis D. Galloway *by J.H.K.*