

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 13, 1968

Operator El Paso Natural Gas Company		Lease Bolaek E No. 6	
Location 1840'N, 1130'W, Sec 33, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2316	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 2220	To 2240	Total Depth: 2316	Shut In 6-6-68
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 919	+ 12 = PSIA 861	Days Shut-In 7	Shut-In Pressure, Tubing PSIG NO TUBING	+ 12 = PSIA
Flowing Pressure: P PSIG 102	+ 12 = PSIA 114		Working Pressure: Pw CALC.	+ 12 = PSIA 137
Temperature: T = 68 °F	Ft = .9981	n = .85	Fpv (From Tables) 1.010	Gravity .650 Fg = .9603

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

Q = (12.365)(114)(.9981)(.9603)(1.010) = 1365 MCF/D

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

Aof =  $\left( \frac{741321}{722552} \right)^{.85} = (1365)(1.0259)^{.85} = (1365)(1.0220)$

Aof = 1395 MCF/D



TESTED BY Don Norton

CALCULATED

WITNESSED BY H. E. McAnally

*T. B. Grant*  
T. B. Grant