

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 3-23-71

Operator El Paso Natural Gas Company		Lease San Juan 29-5 Unit No. 53	
Location 1800 S, 800 W, S 32, T29N, R5W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7927	Tubing: Diameter 1.990	Set At: Feet 7864
Pay Zone: From 7718	To 7858	Total Depth: 7927	Shut In 3-16-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2308	+ 12 = PSIA 2320	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2308	+ 12 = PSIA 2320	
Flowing Pressure: P PSIG 161	+ 12 = PSIA 173	Working Pressure: P _w PSIG 259	+ 12 = PSIA 271		
Temperature: T = 65 °F	F _t = .9952	n = .75	F _{pv} (From Tables) 1.014	Gravity .600	F _g = 1.000

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

Q = (12.365)(173)(.9952)(1.000)(1.014) = 2159 MCF/D

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

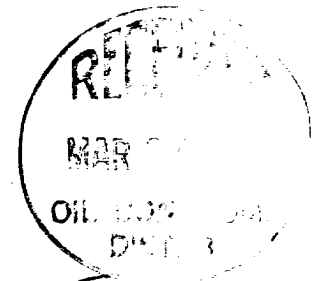
Note: Well produced a medium spray of water throughout the test.

Aof = $\left(\frac{5382400}{5308959} \right)^n = (1.0138)^{.75}(2159) = (1.0103)(2159)$

Aof = 2181 MCF/D

TESTED BY DRR & RRH

WITNESSED BY _____



H. L. Kendrick
H. L. Kendrick