

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE May 4, 1965

Operator Beta Development Company		Lease Federal "H" No. 1	
Location 1190'N, 1190'W, Section 33, T-30-N, R-11-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6885	Tubing: Diameter 2.375	Set At: Feet 6845
Pay Zone: From 6778	To 6849	Total Depth: 6885	Shut In 4-27-65
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		Company Distribution Only	
Shut-In Pressure, Casing, PSIG 2005	+ 12 = PSIA 2017	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1995	+ 12 = PSIA 2007
Flowing Pressure: P PSIG 221	+ 12 = PSIA 233		Working Pressure: P _w PSIG 722	+ 12 = PSIA 734
Temperature: T = 80 °F	F _t = .9813	n = .75	F _{pv} (From Tables) 1.021	Gravity .670 F _g = .9463

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

Q = (12.365) (233) (.9813) (.9463) (1.021) = 2,732 MCF/D

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

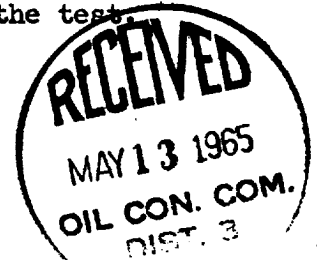
Aof = $\left(\frac{4,068,289}{3,529,533} \right)^n = (2732) (1.1526) = (2732) (1.1122)$

Aof = 3039 MCF/D

NOTE: The well produced a very light spray of distillate and water throughout the test.

TESTED BY George Hoffman (Beta)

WITNESSED BY H. E. McAnally (EPNG)



Lewis D. Galloway
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