

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 28, 1973

Operator El Paso Natural Gas Company		Lease Atlantic B #5 (OWWO)	
Location 1017'N, 1650'E, Section 5, T-30-N, R-10-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5532	Tubing: Diameter 2 3/8"	Set At: Feet 5447
Pay Zone: From 5094	To 5468	Total Depth: 5532	Shut In 7-4-73
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Meter Run 4"	Orifice 2.500	Orifice Constant: C 32.64	Well tested thru 48/64 Choke	
Shut-In Pressure, Casing, PSIG 727	+ 12 = PSIA 739	Days Shut-In 21	Shut-In Pressure, Tubing PSIG 727	+ 12 = PSIA 739
Flowing Pressure: P WH 213; MR 79 PSIG	+ 12 = PSIA WH 225; MR 91		Working Pressure: P _w 637 PSIG	+ 12 = PSIA 649
Temperature: T= 76 °F	Ft= .9850	n = .75	Fpv (From Tables) 1.008	Gravity .660 Fg = .9535

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

Q = Calculated from meter readings = 2203 MCF/D

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

Note: No liquid production

$$Aof = Q \left(\frac{546121}{124920} \right)^n = 2203 (4.3718)^{.75} = 2203 (3.0234)$$

Aof = 6661 MCF/D



TESTED BY B.J. Broughton

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer