

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 10-29-70

Operator EL PASO NATURAL GAS COMPANY		Lease Atlantic "D" Com No. 1 (OKWO)	
Location 1582' S, 932' W, S 36, T31N, R10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5948	Tubing: Diameter 2.375"	Set At: Feet 5884'
Pay Zone: From 4984	To 5904	Total Depth: 5948	Shut In 10-18-70
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR, 2.750 orifice	Choke Constant: C 41.9208	tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 828	+ 12 = PSIA 840	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 822
Flowing Pressure: P PSIG MR 120, WH 390	+ 12 = PSIA MR 132, WH 402	Working Pressure: P _w PSIG 754	+ 12 = PSIA 766
Temperature: T = 65°F	n = Ft = .9952	F _{pv} (From Tables) 1.013	Gravity .669
			F _g = 1.2226

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

Q = Calculated from orifice meter readings = 3431 MCF/D

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

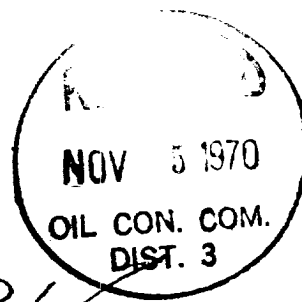
Note: well made no measurable liquids.

Aof = $\left(\frac{705600}{118844} \right)^n = (5.9371)^{.75} (3431) = (3.8035)(3431)$

Aof = 13050 MCF/D

TESTED BY Jesse Goodwin, B. J. Broughton

WITNESSED BY _____



H. L. Kendrick
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