

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 13, 1971

Operator El Paso Natural Gas Company		Lease Atlantic C No. 2 (OWWO)	
Location 1090'N, 1750'E, S35, T31N, R10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5794	Tubing: Diameter 2.375	Set At: Feet 5744
Pay Zone: From 4793	To 5758	Total Depth: 5794	Shut In 9-6-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches 4" MR 2.750" Plate	Choke Constant: C 41.9208	Well tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 732	+ 12 = PSIA 744	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 698
Flowing Pressure: P MR-85 WH-287	+ 12 = PSIA MR-95 WH-299	Working Pressure: P _w PSIG 682	+ 12 = PSIA 694
Temperature: T = 74 °F	F _t = .9868	n = 0.75	F _{pv} (From Tables) 1.008
		Gravity 0.692	F _g = .9312

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

Q = Calculated from orifice meter readings = 2224 MCF/D

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

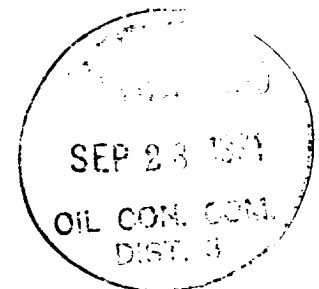
Note: Well produced 19 bbls. of 32° API oil during test

Aof = $\left(\frac{553536}{71900} \right)^n = 2224 (7.6987) = 2224 (4.6218)$

Aof = 10279 MCF/D

TESTED BY R.R. Hardy and D.R. Roberts

WITNESSED BY _____



L. E. Mabe, Jr.
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