

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 21, 1976

Operator El Paso Natural Gas Company		Lease Brookhaven Com A #2-A	
Location SE 16-31N-10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5515'	Tubing: Diameter 1 1/4"	Set At: Feet 2959'
Pay Zone: From 2916'	To 2972'	Total Depth: PBTD 5515' 5498	Shut In 6-5-76
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 754	+ 12 = PSIA 766	Days Shut-In 16	Shut-In Pressure, Tubing PSIG 754	+ 12 = PSIA 766	
Flowing Pressure: P PSIG 110	+ 12 = PSIA 122		Working Pressure: P _w PSIG 118	+ 12 = PSIA 130	
Temperature: T = 62°F	F _t = .9981	n = .85	F _{pv} (From Tables) 1.012	Gravity .660	F _g = .9535

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

Q = 12.365(122)(.9981)(.9535)(1.012) = 1453 MCF/D

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

Aof = Q $\left(\frac{586756}{569856} \right)^n = (1.0297)(1453)^{.85} = 1.0252(1453)$

Aof = 1490 MCF/D

Note: Well vented 208 MCF/D of dry gas to atmosphere.

TESTED BY Norton

WITNESSED BY _____

C. R. Wagner
Well Test Engineer

