

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 12, 1975

Operator El Paso Natural Gas Company		Lease Vanderwart #1-A	
Location 1535/N, 1100/W, Sec. 12, T29N, R8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5550'	Tubing: Diameter 2.375	Set At: Feet 5486'
Pay Zone: From 4646'	To 5478'	Total Depth: PBD 5550' 5533'	Shut In 3-2-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 0.750		Choke Constant: C 12,365			
Shut-In Pressure, Casing, PSIG 648	+ 12 = PSIA 660	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 648	+ 12 = PSIA 660	
Flowing Pressure: P PSIG 234	+ 12 = PSIA 246		Working Pressure: P _w PSIG 604	+ 12 = PSIA 616	
Temperature: T = 60 °F	n = 0.75		F _{pv} (From Tables) 1.026	Gravity 0.685	F _g = 0.9359
	F _t = 1.0000				

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

Q = 12.365(246)(1.0000)(0.9359)(1.026) = 2921 MCF/D

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

Aof = Q $\left(\frac{435600}{56144} \right)^n = 2921(7.7586)^{.75} = 2921(4.6488)$

Aof = 13579 MCF/D

Note: The well produced a medium fog of drip throughout the test.

TESTED BY Frank Johnson

WITNESSED BY _____

H. E. McAnally
Well Test Engineer

