

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 6, 1966

Operator El Paso Natural Gas Company		Lease Roelofs No. 1 (OWAO)	
Location 990'N, 2310'E, Sec. 22, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5806	Tubing: Diameter 2.375	Set At: Feet 5670
Pay Zone: From 4978	To 5678	Total Depth: 5806	Shut In 8-28-66
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 819	+ 12 = PSIA 831	Days Shut-In 9	Shut-in Pressure, Tubing PSIG 588	+ 12 = PSIA 600	
Flowing Pressure: P PSIG 216	+ 12 = PSIA 228		Working Pressure: P _w PSIG 75	+ 12 = PSIA 763	
Temperature: T = 75 °F	Ft = .9859	n = .75	Fpv (From Tables) 1.024	Gravity .710	Fg = .9193

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

Q = (12.365)(228)(.9859)(.9193)(1.024) = 2616 MCF/D

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

Aof = $\left(\frac{690561}{108392} \right)^n = (2616)(6.3709)^{.75} = (2616)(4.0101)$

NOTE: Well produced a heavy spray of dist. and water throughout the test.

Aof = 10490 MCF/D

TESTED BY H. E. McAnally

~~WITNESSED BY~~ Tom B. Grant

RECEIVED
SEP 9 1966
OIL CON. COM.
DIST. 3

H. L. Kendrick
H. L. Kendrick