

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 1, 1968

Operator El Paso Natural Gas Company		Lease Pierce "A" No. 1 (O.W.C.)	
Location 790'S, 1557'W, Sec. 13, T-30-N, R-10-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5618	Tubing: Diameter 2.375	Set At: Feet 5201
Pay Zone: From 4618	To 5478	Total Depth: 5629	Shut In 7-26-68
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4" Plate 4" MR		Choke Constant: C 41.9203		Tested through 3/4" variable choke		
Shut-In Pressure, Casing, PSIG 765	+ 12 = PSIA 777	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 765	+ 12 = PSIA 777		
Flowing Pressure: P PSIG 96 MR 193 WH	+ 12 = PSIA 108 MR 205 WH	Working Pressure: P _w PSIG 631	+ 12 = PSIA 643			
Temperature: T=69 °F	n = Ft = .9915	F _{pv} (From Tables) 1.010	Gravity .700	F _g = 1.1052		

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

Q = Calculated from Orifice Meter Readings = 2198 MCF/D

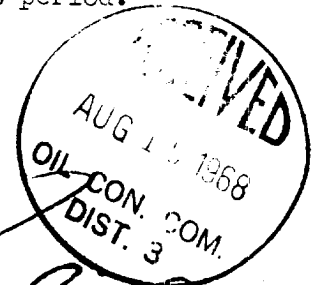
OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 P_w^2} \right)^n$

Aof = $\left(\frac{603729}{190280} \right)^n = (2198)(5.1728)^{.75} = (2198)(2.3773)$

Note: The well produced 14.17 bbls. of 53.34 API Gravity Oil into the tank during the three hour test period.

Aof = 5225 MCF/D

TESTED BY C. R. Wagner
Calculated
WITNESSED BY T. B. Grant



H. L. Kendrick
H. L. Kendrick