

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 11, 1958**

Operator El Paso Natural Gas		Lease Magnolia Pool Unit No. 1	
Location 1630S, 994E; 32-27-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool	
Casing Diameter 5-1/2	Set At Feet 2392	Tubing Diameter 1-1/4	Set At Feet 2295
Perforation 2288	To 2310	Total Depth	Shut in 11/3/58
Shut-in Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size .75	Choke Constant 12.365	Shut-in Pressure, Casing 529	PSIG 541	Shut-in Pressure, Tubing 529	PSIG 541
Flowing Pressure, Casing 1.8" str through 2" nipple	PSIG 60	Flowing Pressure, Tubing 18	PSIG 30	Working Pressure, Flow 18	PSIG 30
Temperature, Casing 60	Temperature, Tubing .85	Evap. From Tables	Gravity		

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{av}$

Q Pitot tube reading 1.8" str. through 2" nipple **158** MCF/D

OPEN FLOW = $Q = \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$

$Q = \left(\frac{292681 - 291781}{292681} \right)^n (1.0030)^{.85} (158) = 1.0025 (158)$

Actual **158** MCF/D

By **D. K. Bryant**

Witnessed By



Lewis D. Galloway
L. D. Galloway

