

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 19, 1958

Operator El Paso Natural Gas		Lease Rincon No. 101	
Location 1850S, 850W, 1-26-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Blanco Mesa Verde	
Casing Diameter 7-5/8"	Set At, Feet 3021	Tubing Diameter 2"	Set At, Feet 5199
Pay Zone: From 5022'	To 5156'	Total Depth 5273	Shut-In 5/3/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2" Liner 2985 - 5273
Shut-In Pressure, Casing, PSIG 1086	PSIG 12 PSIA 1098	Days Shut-In 16
Flowing Pressure, P, PSIG 129	PSIG 12 PSIA 141	Shut-In Pressure, Tubing, PSIG 792
Temperature, T 66	Flowing Pressure, P, PSIG 141	Working Pressure, Pw, PSIG 384
		Gravity .637
		Epp (From Tables) 1.012

CHOKE VOLUME $Q = C \times R \times F_c \times F_g \times F_v$

$Q = 12.365 \times 141 \times .9943 \times .9721 \times 1.012$

1705

MCF/D

OPEN FLOW $Q_{of} = Q \left(\frac{P_i^2 - P_a^2}{P_i^2 - P_w^2} \right)^n$

$Q_{of} = \left(\frac{1205604}{1048788} \right)^n$

$1.1495^{.75} \times 1705 = 1.1102 \times 1705$

$Q_{of} = 1893$ MCF/D

(Blew large amount of oil spray first 5 min. turning to heavy white spray for remainder of blow period.)

TESTED BY F. M. Clark

WITNESSED BY _____

Checked By Robert R. Davis

Lewis D. Galloway
L. D. Galloway

