

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 10, 1958

Operator El Paso Natural Gas		Lease Cundiff No. 2-A	
Location 1714N, 956E, 17-32-12		County San Juan	State New Mexico
Formation Mesa Verde		Pool Wildcat	
Casing: Diameter 7-5/8"	Set At: Feet 3490	Tubing: Diameter 2"	Set At: Feet 3817
Pay Zone: From 3552	To 3762	Total Depth: 3900	Shut-in 3-26-58
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 3441 to 3987	
Shut-In Pressure, Casing, PSIG 976	PSIA 988	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 951	PSIA 963	
Flowing Pressure: P, PSIG 173	PSIA 185		Working Pressure: P _w , PSIG 426	PSIA 438	
Temperature: T, F 69	n 75		F _{pv} (From Tables) 1.019	Gravity 0.686	

CHOKE VOLUME = Q · C · P_i · F_v · F_g · F_{pv}Q: (12.365) × 185 × .9915 × 0.9359 × 1.019 = 2163 MCF/D

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

$$A_{of} = \left(\frac{976,144}{784,300} \right)^n$$

$$(1.2446)^{.75} \times 2163 = 1.1783 \times 2163 =$$

A_{of} 2549 MCF/DTESTED BY J. Goodwin

WITNESSED BY _____

Checked By: S. V. Roberts

Lewis D. Galloway
L. D. Galloway

CONSERVATION COMMISSION
DISTRICT OFFICE

2

1

W. E.	
T. E.	
U. E.	
V. E.	
W. E.	
X. E.	
Y. E.	
Z. E.	