

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 2, 1959

Operator El Paso Natural Gas Company		Lease Huerfano No. 111 (G)	
Location 1550N, 1550W; 20-26-9		County San Juan	State New Mexico
Formation Gallup		Pool Undesignated	
Casing: Diameter 7	Set At: Feet 6776	Tubing: Diameter 2	Set At: Feet 5921
Pay Zone: From 5603	To 5894	Total Depth: 6788 c/o 6770	Shut In: 10/7/59
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	Shut-In Pressure, Tubing 897 (G)	PSIG 12 PSIA 909
Shut-In Pressure, Casing 1169 (G)	PSIG 12 PSIA 1181	Days Shut-In 26	
Flowing Pressure: P 163	PSIG 12 PSIA 175	Working Pressure: Pw 465	PSIG 12 PSIA 477
Temperature: T 63	F n .75	Fpv (From Tables) 1.026	Gravity .798

Initial SIPT (Dak) = 1440 psig

Packer at 5998

Final SIPT (Dak) = 1463 psig

CHOKE VOLUME = $Q_c \times C \times P_c \times F_c \times F_g \times F_{pv}$

$Q_c = 12.365 \times 175 \times .9971 \times .8687 \times 1.026 = 1923$ MCF D

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

Note: Unloaded heavy stream of oil for 15 minutes then heavy fog for remainder of test.

Aof $\left(\frac{1394761}{1167232} \right)^n \quad 1.1949^{.75} \times 1923 = 1.1428 \times 1923$

Aof **2198** MCF D

TESTED BY **T. B. Grant & J. B. Goodwin**

WITNESSED BY



Lewis D. Galloway
L. D. Galloway

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