

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 19, 1958

Operator El Paso Natural Gas		Lease Huerfano No. 99 (G)	
Location 990N, 1650W; 2-26-10		County San Juan	State New Mexico
Formation Gallup		Pool Undesignated	
Casing Diameter 7-5/8	Set At Feet 5654	Tubing Diameter 2"	Set At Feet 5547
Perf Zone From 6122	To 6146	Total Depth 6936 w/o 6910	Shut-in 8/5/58
Stim. Job Method Acidized and S.O.F.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant 12.365	5-1/2 liner 5573 - 6933	
Shut-in Pressure, Casing (G) 1265	PSIG 1277	Shut-in Pressure, Tubing (G) 1243	PSIG 1255
Flowing Pressure (G) 632	PSIG 644	Working Pressure, Tubing 716	PSIG 728
Temperature, T 89	Grav. n .75	Sp. Gr. From Tables 1.069	Gravity .720

Initial SIPT (D) 1687 psig
Final SIPT (D) 1717 psig

Packer at 6180

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

$$C = 12.365 \times 644 \times .9732 \times .9129 \times 1.069$$

7563

MCF/D

OPEN FLOW $A_{of} = Q$

$$A_{of} = \left(\frac{1630729}{1100745} \right)^n$$

$$1.4814^{.75} \times 7570 = 1.343 \times 7570$$



Well tested through casing. Could not install choke on Gallup tubing.

$A_{of} = 10,157$ MCF/D

TESTED BY Frank M. Clark

WITNESSED BY Fred Cook

Checked By M. W. Rischard

L. D. Galloway
L. D. Galloway *by J. H. K.*