

EL PASO NATURAL GAS CO. AND
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
Pay Zone: Feet 6122	Is 6146	Total Depth 6936 #/o 6910	Shut-in 8/5/58
Stimulation Method Acidized and S.O.F.		Flow Through Casing X	

Choke Size, Inches .75		Choke Constant C 12.365		5-1/2 liner 5573 - 6933	
Shut-In Pressure, Casing, PSIG (G) 1265	PSIA 1277	Shut-In Pressure, Tubing, PSIG (G) 1243	PSIA 1255		
Flowing Pressure, Casing, PSIG (G) 632	PSIA 644	Working Pressure, Flow, PSIG 716	PSIA 728		
Temperature, F 89	Grav. Sp. (F) vs Shut-In .75	Exp. (F) vs Tubing 1.069	Grav. Sp. .720		

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

Packer at 6180

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

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

7563

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

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

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

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

Act 10,157

MCF/D

TESTED BY Frank M. Clark

WITNESSED BY Fred Cook

Checked By M. W. Rischard

L. D. Galloway
L. D. Galloway



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