

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 28, 1959

Operator El Paso Natural Gas Company		Lease Huerfano No. 109 (G)	
Location 16508, 990E; 2-26-10		County San Juan	State New Mexico
Formation Gallup		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 6380	Tubing: Diameter 2"	Set At: Feet 6067
Pay Zone: From 5905	To 6199	Total Depth: 7025 c/o 6936	Shut In: 8/14/59
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C		5-1/2 liner 6307 - 7022	
Shut-In Pressure, Casing, PSIG 1139	- 12 = PSIA 1151	Days Shut-In 45	Shut-In Pressure, Tubing, PSIG 1137	- 12 = PSIA 1149	
Flowing Pressure, P, PSIG 198	- 12 = PSIA 210		Working Pressure, P _w , PSIG 631	- 12 = PSIA 643	
Temperature, T, °F 75	n =		Fpv (From Tables) 1.022	Gravity .72	

Initial SIPT (D) = 1853 psig
Final SIPT (D) = 1873 psig

Packer at 6231

CHOKE VOLUME = Q · C · P_i · x F_i · x F_g · x F_{pv}

Q · Calculated from orifice meter reading = 2293 MCF/D

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

Aof = $\left(\frac{1324801}{911352} \right)^n \cdot 1.4536^{.75} \times 2293 = 1.3240 \times 2293$

Aof = 3036 MCF/D

TESTED BY S.V. Roberts, T.B. Grant, D.E. Mortensen

WITNESSED BY _____



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