

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 21, 1959

Operator El Paso Natural Gas		Lease San Juan 29-6 No. 47-28 (D)	
Location 990N, 1650E; 28-29-6		County Rio Arriba	State New Mexico
Formation Dakota		Undesignated	
Casing: Diameter 9-5/8	Set At: Feet 3525	Tubing: Diameter 2"	Set At: Feet 7659
Perforations 7622	7766	Total Depth 7894 c/o 7823	Shut In: 6/30/59
Stimulation Treatment Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Constant .75		7" liner 3474-7442 5" liner 7381-7894	
Surface Pressure (psig) 1041 (MV)	PSIG 1053	Days Production 21	Surface Pressure (psig) 2314 (Dak)
Flowing Pressure (psig) 74	PSIG 86		Flowing Pressure (psig) Calc. 230
Temperature (°F) 78	Temperature (°F) .75		Flow from Tubing 1.003
			Gravity .600

Initial SIPT (MV) = 1032 psig
Final SIPC (MV) = 1046 psig

Packer at 5700

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times E_1 \times E_2 \times E_3 \times E_4$

Calculated from orifice meter reading

1351

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_1}{P_2} \right)^n$$

$$A_{of} = \left(\frac{5410276}{5357376} \right)^n$$

$$1.0098^{.75} \times 1351 = 1.0073 \times 1351$$

A_{of} 1361 MCF/D

TESTED BY H.L.Kendrick, T.B.Grant, M.W.R., J.B.G.

WITNESSED BY



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