

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 30, 1959

Operator El Paso Natural Gas		Lease San Juan 28-6 No. 94 (M)	
Location 990N, 1650E; 36-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pay Blanco	
Casing Diameter 7	Set At Feet 7000	Tubing Diameter 1-1/4	Set At Feet 5581
Perforations From 5097	To 5624	Total Depth c/o 7818	Shut In: 11/19/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant, C 12.365	Surface Pressure, Casing 1053 (MV)	Surface Pressure, Tubing 1065 (MV)
Flowing Pressure, Casing 184 (MV Csg.)	Flowing Pressure, Tubing 196 (MV Tbg)	Temperature, Casing 70	Temperature, Tubing 68.4
Gravimetric Factor 1.275	Gravimetric Factor 1.020		

Initial SIPT (Dak) = 2382 psig

Final SIPT (Dak) = 2385 psig

Guib "AG" packer at 6750

CHOKED VOLUME $Q = C \times D \times P \times T_g \times F_g$

$$Q = 12.365 \times 196 \times .9905 \times .9393 \times 1.020$$

2300

MCF/D

OPEN FLOW AREA $A = \left(\frac{Q}{C \times D \times P \times T_g \times F_g} \right)^2$

$$\left(\frac{1134225}{889200} \right)^2$$

$$1.2755^{.75} \times 2300 = 1.2000 \times 2300$$

Area = 2760

MCF/D

TESTED BY W. D. Dawson

WITNESSED BY W. B. Smith (Phillips), C. R. Wagner (PNW)

Lewis D. Galloway
L. D. Galloway

