

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 11, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 4 (M) (OWWO)	
Location 990N, 990E; 29-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7"	Set At: Feet 4825	Tubing Diameter 2"	Set At: Feet 5471
Pay Zone From 5352	To 5494	Total Depth 5566 c/o 5525	Shut In 7/22/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant, C 12.365		5_4764 - 5566	
Shut-in Pressure, Casing, PSIG 991 (PC)	PSIA 1003	Days Shut-in 20	Shut-in Pressure, Tubing, PSIG 1089 (MV)	PSIA 1101	
Flowing Pressure, Casing, PSIG 130	PSIA 142		Working Pressure, Tubing, PSIG Calc. 281	PSIA 281	
Temperature, Casing, F 60	F .75		Fpv (From Tables) 1.016	Gravity .693	

Initial SIPT (PC) = 992 psig

Packer at 4798'

Final SIPC (PC) = 994 psig

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

$$Q = 12.365 \times 142 \times 1.000 \times .9325 \times 1.016$$

1664

MCF/D

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

$$Q = \left(\frac{1212201}{1133240} \right)^n$$

$$1.0696^{.75} \times 1664 = 1.0510 \times 1664$$

Net 1749 MCF/D



Prepared by S. V. Roberts

WITNESSED BY Fred Cook, N.M.O.C.C.
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L. D. Galloway
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