

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 24, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 48 (P)	
Location 16503, 1650W; 19-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7/58	Set At Feet 3272	Tubing Diameter 1-1/4	Set At Feet 3151
Pay Zone From 3114	To 3152	Total Depth 5466 c/o 5420	Shut in 3/7/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2 liner 3221 - 5468	
Shut-In Pressure, Casing, PSIG (PC) 1076	- 12 = PSIA 1088	Days Shut-in 17	Shut-In Pressure, Tubing, PSIG (PC) 1076	- 12 = PSIA 1088	
Flowing Pressure: P, PSIG 130	- 12 = PSIA 142		Working Pressure: Pw, PSIG 134	- 12 = PSIA 146	
Temperature: T, F 58	F, n .85		Fpv (From Tables) 1.014	Gravity .650 (est.)	

Initial SIPT (MV) = 1082 psig

Final SIPT (MV) = 1084 psig

Packer at 3286

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$C = 12.365 \times 142 \times 1.0019 \times .9608 \times 1.014$$

1714

MCF/D

$$\text{OPEN FLOW } A_{of} Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} \left(\frac{1183744}{1162428} \right)^n$$

$$1.0183^{.85} \times 1714 = 1.0155 \times 1714$$

$$A_{of} = 1741 \text{ MCF/D}$$

TESTED BY D. K. Bryant

WITNESSED BY _____

L. D. Galloway
L. D. Galloway by *[Signature]*