

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 15, 1958

Operator El Paso Natural Gas Company		Lease Schwerdtfeger 14-A (M)	
Location 9908, 1750W, 8-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 4922	Tubing: Diameter 2"	Set At: Feet 5269
Pay Zone: From 5154	To 5272	Total Depth: 5355 c/o 5315	shut-in 3/29/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365		5-1/2" liner 4887 - 5349	
Shut-In Pressure, Casing, PSIG 800	- 12 = PSIA 812	Days Shut-In 47	Shut-In Pressure, Tubing, PSIG 1042	- 12 = PSIA 1054
Flowing Pressure: P, PSIG 313	- 12 = PSIA 325		Working Pressure: P _w , PSIG (Calc.) 641	- 12 = PSIA
Temperature: T, °F 66	n =		F _{pv} (From Tables) 1.038	Gravity .717

Initial SIPC (PC) 800 psig

1-1/4 at 2899 Packer at 2980

Final SIPC (PC) 802 psig

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

$$Q = (12.365) (325) (.9943) (.9161) (1.038) = \underline{3,800} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1110916}{700035} \right)^n = (1.5869)^{.75} (3800) = (1.4140) (3800)$$

$$Aof = \underline{5,373} \text{ MCF/D}$$

TESTED BY S. V. Roberts and Frank Clark

WITNESSED BY _____



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