

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 15, 1958

Operator El Paso Natural Gas Company		Lease Florence No. 9-D (M)	
Location 1090S, 1090W; 17-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 4916	Tubing: Diameter 2"	Set At: Feet 5273
Pay Zone: From 5146	To 5177	Total Depth 5352 c/o 5330	Shut-in 4/14/58
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 4859 - 5353	
Shut-In Pressure, Casing, PSIG 813 (PC)	PSIA 825	Days Shut-In 31	Shut-In Pressure, Tubing, PSIG 1064 (MV)	PSIA 1076	
Flowing Pressure: P, PSIG 297	PSIA 309		Working Pressure: P _w , PSIG (Calc.) 609		
Temperature: T, F 66			Fpv (From Tables) 1.036	Gravity .717	

Initial SIPC (PC) 813 PSIG

1-1/4 at 2909

Packer at 4870

Final SIPC (PC) 815 PSIG

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

$$Q = (12.365) (309) (.9943) (.9161) (1.036) = 3,606 \text{ MCF/D}$$

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

$$Aof \left(\frac{1157776}{786895} \right)^n = (1.4713)^{.75} (3606) = (1.336) (3606)$$

$$Aof = 4,818 \text{ MCF/D}$$

TESTED BY S. V. Roberts and Frank Clark

WITNESSED BY _____



Lewis D. Galloway
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THE CONSERVATION COMMISSION

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