

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 26, 1958

Operator El Paso Natural Gas		Lease Schwerdfeger 14-A (P)	
Location 9908, 1750W, 8-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 4922	Tubing: Diameter 1-1/4	Set At: Feet 2899
Pay Zone: From 2858	To 2916	Total Depth: 5355	Shut-in 3/29/58
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 4887 - 5349	
Shut-In Pressure, Casing, PSIG 806 (PC)	12 = PSIA 818	Days Shut-In 54	Shut-In Pressure, Tubing, PSIG 807 (FC)	12 = PSIA 819	
Flowing Pressure, P, PSIG 415	12 = PSIA 427		Working Pressure: Pw, PSIG 427	12 = PSIA 439	
Temperature: T, F 69	n .85		Fpv (From Tables)	Gravity .635	

Initial SIPC (MV) 1051 Packer 2980
 Final SIPC (MV) 1053 2" at 5269

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

$$Q = 12.365 \times 427 \times .9915 \times .9721 \times 1.037 = 5,277 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{670,761}{478,040} \right)^n = (1.4031)^{.85} (5,277) = (1.3340)(5,277)$$

$$A_{of} = 7,040 \text{ MCF/D}$$

TESTED BY S. V. Roberts and Malcolm Rischard

WITNESSED BY _____

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