

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 30, 1958

Operator El Paso Natural Gas		Lease San Juan 28-7 Unit 89 (P)	
Location 1100S, 1190W; 15-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3344	Tubing: Diameter 1-1/4	Set At: Feet 3172
Pay Zone: From 3144	To 3174	Total Depth 5568	Shut-in 3/31/58
Stimulation Method Sand Water Frac		Flow Through: Casing X	Flow Through: Tubing

Choke Size, Inches 3/4	Choke Constant: C 12.365	5-1/2 liner 3329 - 5614
Shut-in Pressure: Casing, PSIG 1005 (PC)	12" PSIA 1017	Days, Shut-in 60 (PC)
Flowing Pressure: P, PSIG 634	12" PSIA 646	Shut-in Pressure: Tubing, PSIG 1005 (PC)
Temperature: T, F 72	F .85	Working Pressure: Pw, PSIG 652
		12" PSIA 664
		Flow (From Tables) 1.061
		Gravity .640

Initial SIPT (M) 1122

Final SIPT (M) 1131

Packer at 3395

2" at 5420

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

$$Q = 12.365 \times 646 \times .9887 \times .9682 \times 1.061$$

8,113 MCF D

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

$$A_{of} = \left(\frac{1034289}{593393} \right)^n$$

$$1.7430^{.85} (8,113) = 1.6040 (8113)$$

Aof 13,013 MCF D

TESTED BY M. W. Rischard

WITNESSED BY



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