

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 20, 1958

Operator El Paso Natural Gas		Lease San Juan 28-6 Unit 80 (P)	
Location 1650N, 1750E; 12-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3357	Tubing: Diameter 1-1/4	Set At: Feet 3264
Pay Zone: From 3196	To 3234	Total Depth 5553 c/o 5505	Shut-in 6/20/58 +
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 3295 - 5548	
Shut-In Pressure, Casing, PSIG (PC) 1082	PSIA 1094	Days Shut-In (PC) 61	Shut-In Pressure, Tubing, PSIG (PC) 1082	PSIA 1094	
Flowing Pressure, P, PSIG 95	PSIA 107		Working Pressure, Pw, PSIG 98	PSIA 110	
Temperature, T 65			Fpv (From Tables) 1.009	Gravity .689	

Initial SIPT (MV) = 1022 psig
Final SIPT (MV) = 1022 psig

Packer at 3368
2" at 5384

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = 12.365 \times 107 \times .9952 \times .9359 \times 1.009 = 1243$ MCF/D

OPEN FLOW ADJ = $Q \left(\frac{P_1^2}{P_2^2 - P_w^2} \right)^n$

Adj = $\left(\frac{1196836}{1184736} \right)^n$

$(1.0102)^{.85} \times 1243 = 1.0087 \times 1243$

+ SIP (PC) differs from SIP (MV) because Mesa Verde was used to pig line 7/23/58.

Adj = 1254 MCF/D



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APPROVED BY

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