

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 5, 1957

Operator <b>El Paso Natural Gas Company</b>		Lease <b>Rincon No. 88</b>	
Location <b>1750'N, 1650'E, Sec. 13-27-7</b>		County <b>Rio Arriba</b>	State <b>New Mexico</b>
Formation <b>Pictured Cliff Side</b>		Pool <b>Wildcat</b>	
Casing: Diameter <b>5 1/2</b>	Set At: Feet <b>3370-5685</b>	Tubing: Diameter <b>1 1/4</b>	Set At: Feet <b>3332</b>
Pay Zone: From <b>3212</b>	To <b>3235</b>	Total Depth: <b>Packer at 3485</b>	
Stimulation Method <b>Sand Water Frac.</b>		Flow Through Casing <b>X</b>	Flow Through Tubing

Choke Size, Inches <b>0.750</b>		Choke Constant: C <b>12.365</b>			
Shut-In Pressure, Casing, PSIG <b>1013</b>	- 12 - PSIA <b>1025</b>	Days Shut-In <b>12</b>	Shut-In Pressure, Tubing, PSIG <b>1013</b>	- 12 - PSIA <b>1025</b>	
Flowing Pressure: P, PSIG <b>194</b>	- 12 - PSIA <b>206</b>		Working Pressure: P <sub>w</sub> , PSIG <b>201</b>	- 12 - PSIA <b>213</b>	
Temperature: T, F <b>66</b>			F <sub>pv</sub> (From Tables) <b>1.019</b>	Gravity <b>0.650</b>	

SIPT M.V. - 1089. Final SIPT M.V. Final SIPT M.V. - 1091 psig

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = 12.365 x 206 x .9943 x .9608 x 1.019 = 2480 MCF/D

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

Aof =  $\left( \frac{1,050,625}{1,005,256} \right)^n \times 1.0451^{.85} \times 2480 = 1.0382 \times 2480$

Aof = 2575 MCF/D



TESTED BY Tom Grant

WITNESSED BY \_\_\_\_\_

*L. D. Galloway*  
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