

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE **May 1, 1957**

Operator <b>El Paso Natural Gas Company</b>		Lease <b>Johnston # 7</b>	
Location <b>1180'S, 1840'W, Sec. 11-28-9</b>		County <b>San Juan</b>	State <b>New Mexico</b>
Formation <b>Mesa Verde</b>		Pool <b>Blanco</b>	
Casing: Diameter <b>7 5/8</b>	Set At: Feet <b>2234</b>	Tubing: Diameter <b>2"</b>	Set At: Feet <b>4536</b>
Pay Zone: From <b>4372</b>	To <b>4588</b>	Total Depth: <b>4604 - c/o - 4592</b>	
Stimulation Method <b>Sand Water Frac</b>		Flow Through Casing	Flow Through Tubing <b>X</b>

Choke Size, Inches <b>.750</b>	Choke Constant: C <b>14.1605</b>		<b>5 1/2" liner @ 4589</b>	
Shut-In Pressure, Casing, PSIG <b>1016</b>	- 12 - PSIA <b>1028</b>	Days Shut-In <b>15</b>	Shut-In Pressure, Tubing PSIG <b>1020</b>	- 12 - PSIA <b>1032</b>
Flowing Pressure: P PSIG <b>311</b>	- 12 - PSIA <b>323</b>		Working Pressure: Pw PSIG <b>703</b>	- 12 - PSIA <b>715</b>
Temperature: T <b>73</b>			Fpv (From Tables) <b>1.037</b>	Gravity <b>.710</b>

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

Q = 14.1605 x 323 x .9877 x .9193 x 1.037 = 4307 MCF/D

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

Aof  $\left( \frac{1,065,024}{553,799} \right)^n$  (1.923)<sup>.75</sup> x 4307 = 1.633 x 4307

Aof 7033 MCF/D

TESTED BY K. C. McBride

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



*Lewis D. Galloway*  
L. D. Galloway