

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 15, 1958

Operator <b>El Paso Natural Gas</b>		Lease <b>Florance No. 14-D (M)</b>	
Location <b>1750S, 1750W; 21-27-8</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>4471</b>	Tubing: Diameter <b>2</b>	Set At: Feet <b>4661</b>
Pack Zone: From <b>4421</b>	To <b>4761</b>	Total Depth: <b>4758</b>	Shut-in <b>4/26/58</b>
Stimulation Method: <b>Sand Water Frac</b>		Flow Through Casing	Flow Through Tubing <b>X</b>

Choke Size, Inches <b>.75</b>	Choke Constant: C <b>12.365</b>		5-1/2 liner 4221 - 4761	
Shut-In Pressure, Casing, PSIG <b>810 (FC)</b>	- 12 - PSIA <b>822</b>	Days Shut-In <b>19</b>	Shut-In Pressure, Tubing, PSIG <b>1084 (MV)</b>	- 12 - PSIA <b>1096</b>
Flowing Pressure: P, PSIG <b>279</b>	- 12 - PSIA <b>291</b>	Working Pressure: Pw, PSIG <b>(Calc.) 547</b>		
Temperature T, °F <b>72</b>	n <b>.75</b>	Fpv (From Tables) <b>1.034</b>	Gravity <b>.730</b>	

Initial SIPC (PC) 810 PSIG  
Final SIPC (PC) 812 PSIG

Packer at 4445

1-1/4 at 2350

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

Q = 12.365 x 291 x .9887 x .9066 x 1.034 = 3,335 MCF/D

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

Aof  $\left( \frac{1201216}{902007} \right)^n = \frac{1.3317}{1.2393}$

Aof = 4133 MCF/D



TESTED BY M. W. Rischard

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

*Lewis D. Galloway*  
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