

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 11, 1975

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Hubbell #16</u>	
Location <u>1575/S, 1460/E, Sec. 18, T29N, R10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Fruitland</u>		Pool <u>Aztec</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>1997'</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet <u>--</u>
Pay Zone: From <u>1856</u>	To <u>1872</u>	Total Depth: PBD <u>1997' 1987'</u>	Shut In <u>6-3-75</u>
Stimulation Method <u>Sandwater Frac</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing

Choke Size, Inches <u>0.750</u>	Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>558</u>	+ 12 = PSIA <u>570</u>	Days Shut-In <u>8</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA <u>--</u>
Flowing Pressure: P PSIG <u>119</u>	+ 12 = PSIA <u>131</u>		Working Pressure: Pw PSIG <u>Calculated</u>	+ 12 = PSIA <u>154</u>
Temperature: T= <u>60 °F</u> Ft= <u>1.0000</u>	n = <u>0.85</u>		Fpv (From Tables) <u>1.011</u>	Gravity <u>.650</u> Fg= <u>0.9608</u>

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) (131) (1.0000) (0.9608) (1.011) = 1573 MCF/D

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

Aof = Q  $\left( \frac{324900}{301184} \right)^n = (1573) (1.0787)^{.85} = (1573) (1.0665)$

Aof = 1678 MCF/D

Note: The well produced dry gas throughout the test. The well produced 215 MCF of gas during the test.

TESTED BY Carl Rhames

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

H. E. McAnally  
Well Test Engineer

