

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE April 15, 1974

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Kelly #3</u>	
Location <u>1560/S, 1090/E, Sec. 26, T30N, R10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3044'</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>2876</u>	To <u>2950'</u>	Total Depth: <u>PBTD</u> <u>3044' 3034'</u>	Shut In <u>4-4-74</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>955</u>	+ 12 = PSIA <u>967</u>	Days Shut-In <u>11</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>160</u>	+ 12 = PSIA <u>172</u>	Working Pressure: P <sub>w</sub> PSIG <u>Calculated</u>	+ 12 = PSIA <u>215</u>		
Temperature: T = <u>64 °F</u>	F <sub>t</sub> = <u>.9962</u>	n = <u>.85</u>	F <sub>p</sub> (From Tables) <u>1.015</u>	Gravity <u>.635</u>	F <sub>g</sub> = <u>.9721</u>

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

Q = 12.365(172)(.9962)(.9721)(1.015) = 2090 MCF/D

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

Aof = Q  $\left( \frac{935089}{888864} \right)^n = 2090(1.0520)^{.85} = 2090(1.0440)$

Aof = 2183 MCF/D



Note: The well produced a dry gas throughout the test.

TESTED BY Fothergill

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

Loren W Fothergill

Loren W. Fothergill  
Well Test Engineer