

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE Aug. 2, 1979

Operator <b>El Paso Natural Gas Company</b>		Lease <b>Atlantic C 5A (PC)</b>	
Location <b>SE 6-30-10</b>		County <b>San Juan</b>	State <b>New Mexico</b>
Formation <b>Pictured Cliff</b>		Pool <b>Blanco</b>	
Casing: Diameter <b>4.500</b>	Set At: Feet <b>5513</b>	Tubing: Diameter <b>1 1/4</b>	Set At: Feet <b>2891</b>
Pay Zone: From <b>2802</b>	To <b>2902</b>	Total Depth: <b>513</b>	Shut In <b>7-19-79</b>
Stimulation Method <b>Sand Water Frac</b>		Flow Through Casing <b>XX</b>	Flow Through Tubing

Choke Size, Inches <b>.750</b>		Choke Constant: C <b>12.365</b>	
Shut-In Pressure, Casing, PSIG <b>736</b>	+ 12 = PSIA <b>748</b>	Days Shut-In <b>14</b>	Shut-In Pressure, Tubing PSIG <b>736</b>
Flowing Pressure: P PSIG <b>68</b>	+ 12 = PSIA <b>80</b>	Working Pressure: P <sub>w</sub> PSIG <b>71</b>	+ 12 = PSIA <b>83</b>
Temperature: T = <b>64</b> °F	F <sub>t</sub> = <b>.9962</b>	n = <b>.85</b>	F <sub>p</sub> (From Tables) <b>1.009</b>
		Gravity <b>.670</b> F <sub>g</sub> = <b>.9463</b>	

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365 \times 80 \times .9962 \times .9463 \times 1.009 = \underline{941} \text{ MCF/D}$$

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

$$Aof = \left( \frac{559504}{552615} \right)^{.85} = (1.0125)^{.85} (941) (1.0106) (941)$$

NOTE: Well Blew Dry Throughout Test & Vented 112 MCF To The Atmosphere.

$$Aof = \underline{951} \text{ MCF/D}$$

TESTED BY J. Thurstonson

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

*C.R. Wagner*  
Well Test Engineer

