

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 28, 1978

Operator El Paso Natural Gas Company		Lease Case #6-A (PC)	
Location SE/4 5-31-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5469'	Tubing: Diameter 1 1/4	Set At: Feet 2881'
Pay Zone: From 2852'	To 2874	Total Depth: 5469'	Shut In 7-7-78
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 923	+ 12 = PSIA 935	Days Shut-In 17	Shut-In Pressure, Tubing PSIG 923	+ 12 = PSIA 935	
Flowing Pressure: P PSIG 216	+ 12 = PSIA 228		Working Pressure: P <sub>w</sub> PSIG 222	+ 12 = PSIA 234	
Temperature: T = 64°F	Ft = .9962	n = .85	Fpv (From Tables) 1.024	Gravity .660	Fg = .9535

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

$$Q = 12.365 (228) (.9962) (.9535) (1.024) = 2742 \text{ MCF/D}$$

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

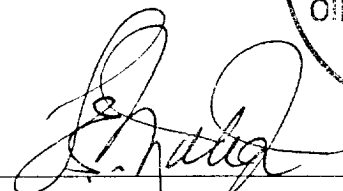
$$Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n = (1.0668)^{.85} = (1.0565) (2742) = 2897$$

Note: Well vented 588 MCF of gas during test.

$$Aof = 2897 \text{ MCF/D}$$

TESTED BY Dave Wright

WITNESSED BY

  
Well Test Engineer
