

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 10-15-73

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #200	
Location 1730/N, 890/W, Sec. 35, T-25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2614'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2522	To 2576	Total Depth: 2614	Shut In 10-2-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 307	+ 12 = PSIA 319	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 110	+ 12 = PSIA 122		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 149	
Temperature: T = 62 °F	n = .85		F <sub>pv</sub> (From Tables) 1.014	Gravity .700	F <sub>g</sub> = .9258

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(122)(.9981)(.9258)(1.014) = 1413 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{101761}{79560} \right)^n = 1413 (1.279)^{.85} = 1413 (1.2327)$$

$$Aof = 1742 \text{ MCF/D}$$

Note: Blew dry gas.

OIL CON. COM.  
DIST. 3  
10 16 1973

TESTED BY R. Hardy

WITNESSED BY

*William D. Welch*  
William D. Welch  
Well Test Engineer