

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE August 16, 1972

Operator El Paso Natural Gas Company		Lease Hancock A No. 6	
Location 1450/N, 1740/E, Sec. 26 T 28N, R 9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2368	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2260	To 2300	Total Depth: 2368	Shut In 8-5-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 740	+ 12 = PSIA 752	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 160	+ 12 = PSIA 180		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 218	
Temperature: T = 60 °F	n = .85		Fpv (From Tables) 1.018	Gravity .645	Fg = .9645

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

$$Q = 12.365 \times 180 \times .9924 \times .9645 \times 1.018 = 2169 \text{ MCF/D}$$

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

NOTE: Produced very slight fog of water and distillate throughout the test.

$$Aof = \left( \frac{565504}{517900} \right)^n = (1.0917)^{.85} (2169) = (1.0775)(2169)$$

$$Aof = 2337 \text{ MCF/D}$$

TESTED BY J. A. Jones

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



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