

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 26, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #190	
Location 800/S, 850/E, Sec. 14, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2705'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2590	To 2682'	Total Depth: 2705	Shut In 11-19-73
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 543	+ 12 = PSIA 555	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 99	+ 12 = PSIA 111	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 137		
Temperature: T = 53°F	n = Ft = 1.007	Fpv (From Tables) 1.011	Gravity .700	F _g = .9258	

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

Q = (12.365) (111) (1.007) (.9258) (1.011) = 1294 MCF/D

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

Aof = Q $\left(\frac{308025}{289256} \right)^n = 1294 (1.0649)^{.85} = 1294 (1.0549)$

Aof = 1365 MCF/D

Note: Dry Gas



TESTED BY R. Hardy

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer