

Operator El Paso Natural Gas Company		Lease Hardie No. 9	
Location 1050'N, 1800 ⁴⁸⁰ 'E, Section 26, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs Ext.		Pool Blanco	
Casing: Diameter 2875	Set At: Feet 3134	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2996	To 3034	Total Depth: 3134	Shut In 5-3-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1055	+ 12 = PSIA 1067	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 118	+ 12 = PSIA 130	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA		
Temperature: T = 62 °F	F _t = .9981	n = .85	F _{pV} (From Tables) 1.011	Gravity .645	F _g = .9645

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

Q = (12.365) (130) (.9981) (.9645) (1.011) = 1564 MCF/D

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

NOTE: Well produced very light mist of water throughout test.

Aof = Q $\left(\frac{1138489}{1111593} \right)^n = (1564) (1.0242)^{.85} = (1564) (1.0205)$

Aof = 1598 MCF/D

TESTED BY Bobby Broughton

WITNESSED BY

William D. Welch, Well Test Engineer