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| Operator El Paso Natural Gas Company | | Lease Hardie No. 7 | |
| Location 900's, 1180'W, Section 23, T29N, R8W | | County San Juan | State New Mexico |
| Formation Pictured Cliffs | | Pool Blanco | |
| Casing: Diameter 2.875 | Set At: Feet 3144 | Tubing: Diameter No Tubing | Set At: Feet |
| Pay Zone: From 3016 | To 3092 | Total Depth: 3144 | Shut In 5-8-73 |
| Stimulation Method SWF (GEL) | | Flow Through Casing XX | Flow Through Tubing |

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|----------------------------------|------|-----------------------------|-------------------|--|--|
| Choke Size, Inches .750 | | Choke Constant: C 12.365 | | Tubingless Completion | |
| Shut-In Pressure, Casing, 889 | PSIG | + 12 = PSIA 901 | Days Shut-In 7 | Shut-In Pressure, Tubing No Tubing | PSIG |
| Flowing Pressure: P 86 | PSIG | + 12 = PSIA 98 | | Working Pressure: P _w Calculated | PSIG |
| Temperature: T = 65 °F | | n = .85 | | F _{pv} (From Tables) 1.007 | Gravity .645 F _g = .9645 |

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

Q = (12.365) (98) (.9952) (.9645) (1.007) = 1171 MCF/D

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

NOTE: Blew clear gas for entire test.

Aof = Q $\left(\frac{811801}{796672} \right)^n = 1171 (1.0190)^{.85} = 1171 (1.0161)$

Aof = 1191 MCF/D

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

William D. Welch
William D. Welch, Well Test Engineer

