

MOAPA VALLEY

M1716-2

0.6g

Clark County, Nevada, U.S.A.

36°33'26"N., 114°25'37"W.

Class: Carbonaceous chondrite (CM1).

Found: September 2004.

Total known weight: 698.8 grams.

Notes: A single stone partially covered with vesicular crust was found by Sonny Clary. The interior did not look meteoritic however, having a black nearly featureless appearance. Research work revealed that this stone is composed of small serpentine and sulfur rich inclusions in a dark fine-grained matrix and represents only the second CM1 known outside of Antarctica (the other being the 19gram NWA (4765)). These very rare and important meteorites are related to the famous CM2s (Murchison likely the most famous example) but have experienced a high degree of aqueous alteration on their parent body. This action by water removed chondrules and replaced most primary minerals with secondary phases.