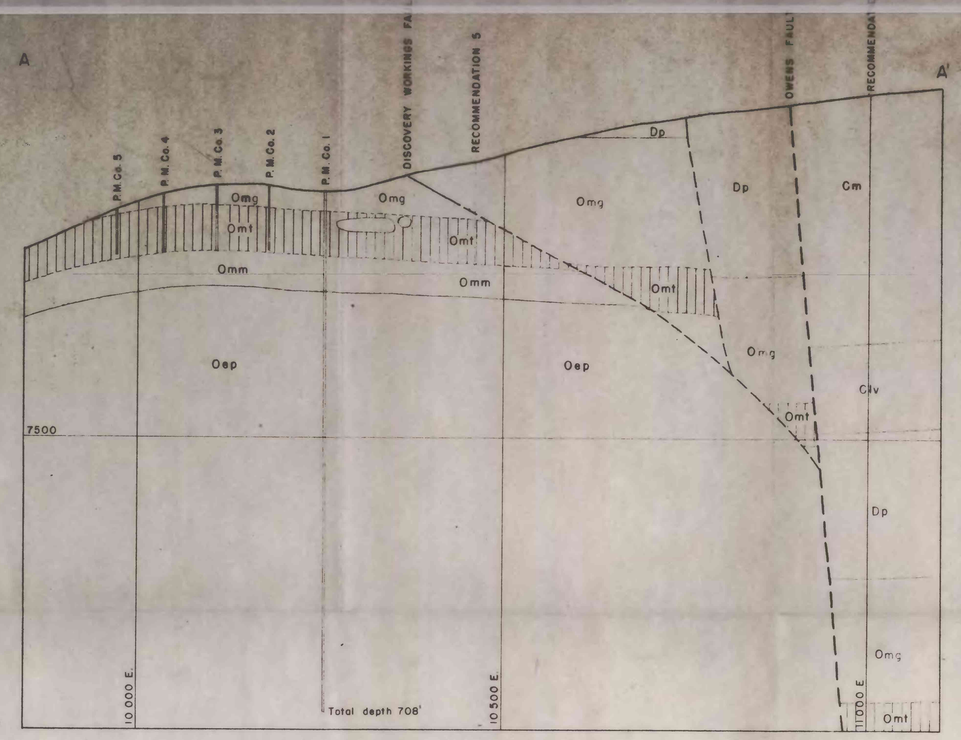

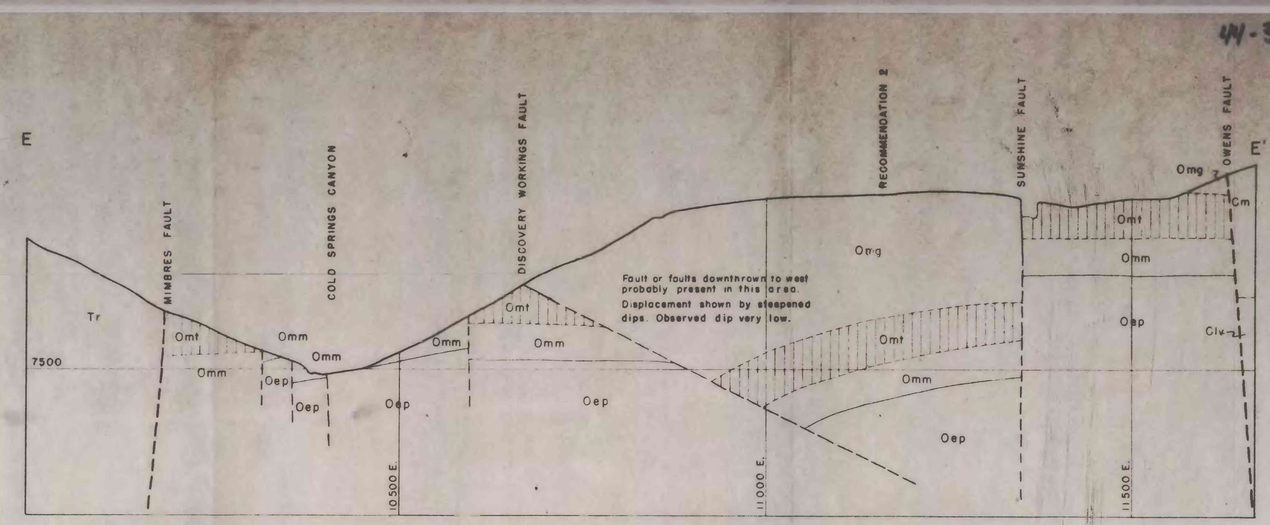

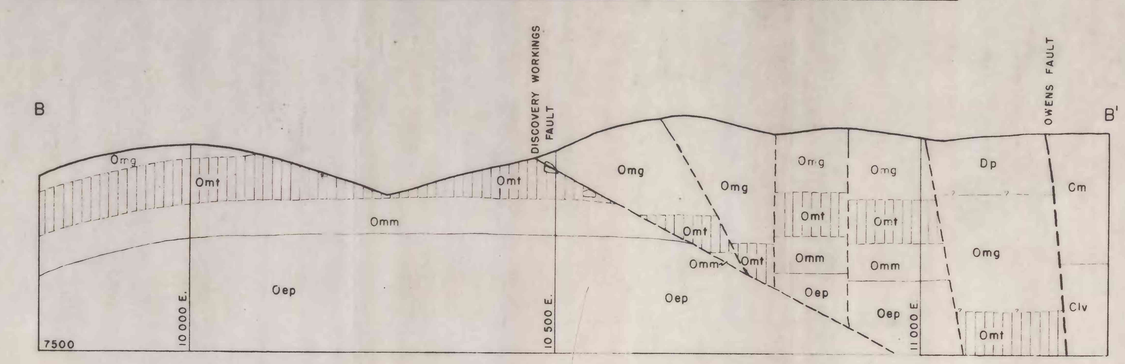

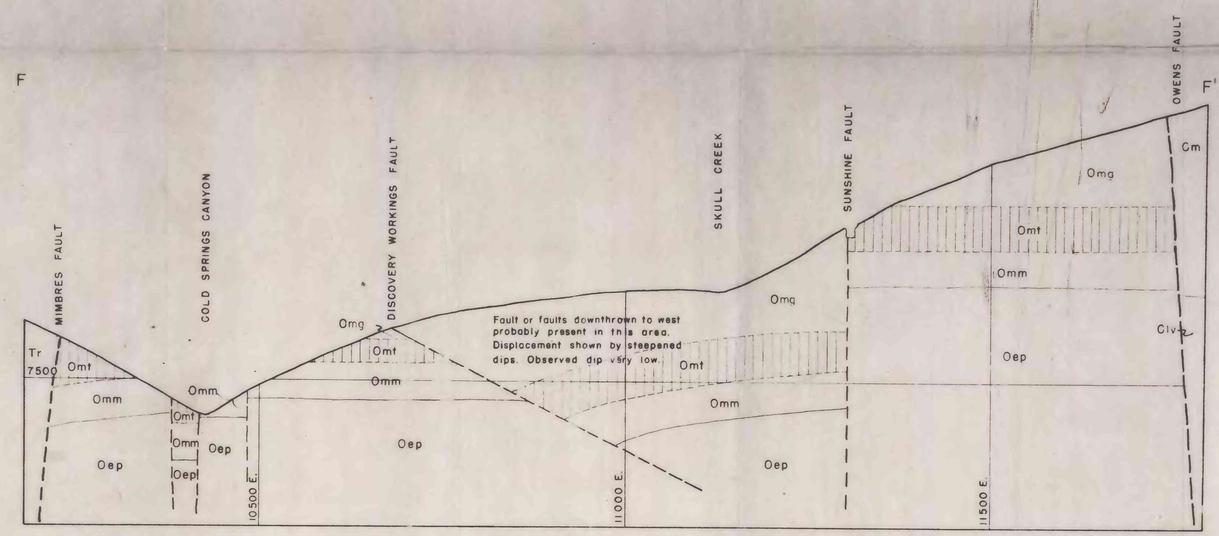

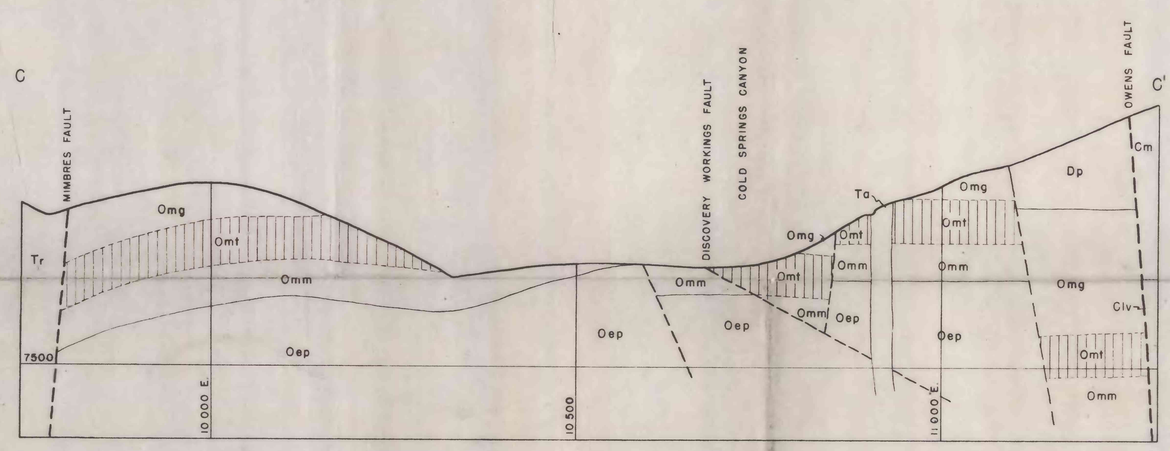

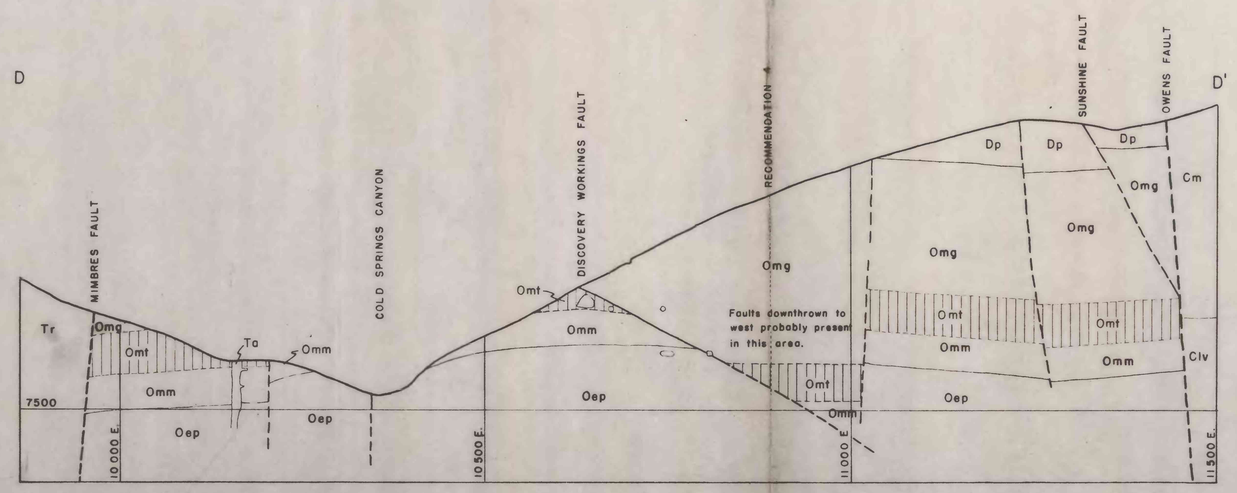

EXPLANATION

SEDIMENTARY ROCKS

CARBONIFEROUS	PENNSYLVANIAN	Cm	MAGDALENA LIMESTONE
CARBONIFEROUS	MISSISSIPPIAN	Clv	LAKE VALLEY LIMESTONE
DEVONIAN		Dp	PERCHA SHALE
ORDOVICIAN	UPPER (MONTOYA LIMESTONE)	Omg	Montoya gnarly chert & limestone
ORDOVICIAN	UPPER (MONTOYA LIMESTONE)	Omt	Montoya thin-bedded limestone
ORDOVICIAN	UPPER (MONTOYA LIMESTONE)	Omm	Montoya massive limestone
ORDOVICIAN	LOWER	Oep	EL PASO LIMESTONE

IGNEOUS ROCKS

TERTIARY (?)	Tr	RHYOLITE-EXTRUSIVE
TERTIARY (?)	Ta	ANDESITE-INTRUSIVE

Fault, dashed line where inferred

PLATE 2.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BUREAU OF MINES PROJECT 15-115

STRUCTURE SECTIONS

ROYAL JOHN MINE AREA SWARTZ DISTRICT
GRANT COUNTY, NEW MEXICO

Scale
0 100 200 300 Feet

GEOLOGY BY D.M. KINNEY AND A.E. WEISSENBORN
JUNE-JULY, 1944