

## RELATIVE COMPACTION TEST RESULTS

**PROJECT:** West Elk Mine RPEE 2023

**PROJECT NUMBER:** M23044MT

**DATE:** June 1, 2023

**LOCATION:** Somerset, CO

**ENGINEERING TECHNICIAN:** SZ

**CLIENT:** Mountain Coal Company

**NUCLEAR GAUGE USED:** 14

TEST NO.	APPROXIMATE TEST LOCATION	DEPTH OR ELEVATION	PROBE DEPTH (IN)	LABORATORY PROCTOR DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)	SOIL TYPE
9	RPEE #1 SW		6	97.0	13.5	95.6	9.0	99	Coal Gob, Black
10	RPEE #2 SE corner		6	97.0	13.5	96.9	15.0	100+	Coal Gob, Black
11	RPEE #3 NE corner		6	97.0	13.5	94.2	14.5	97	Coal Gob, Black
12	RPEE #4 NW entrance		6	97.0	13.5	96.2	12.4	99	Coal Gob, Black

**REMARKS:** The test results indicate only the density and moisture content for the location and elevation tested only.

**Lambert and Associates**

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