

## RELATIVE COMPACTION TEST RESULTS

**PROJECT:** West Elk Mine RPEE 2023

**PROJECT NUMBER:** M23044MT

**DATE:** June 15, 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
19	RPEE #1		6	97.0	13.5	89.9	14.0	93	Coal Gob, Black
20	RPEE #2		6	97.0	13.5	84.3	19.5	87	Coal Gob, Black
21	RPEE #3		6	97.0	13.5	89.2	16.9	92	Coal Gob, Black
22	RPEE #4		6	97.0	13.5	89.1	17.6	92	Coal Gob, Black
23	RPEE #5		6	97.0	13.5	93.1	13.8	96	Coal Gob, Black
24	RPEE #6		6	97.0	13.5	92.0	15.7	95	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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