

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine RPEE 2023

PROJECT NUMBER: M23044MT

DATE: October 17, 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
121	RPEE #1		6	80.0	16.5	81.0	18.5	100+	RPE ST2 Coal Gob, Black
122	RPEE #2		BS	80.0	16.5	77.2	15.2	96	RPE ST2 Coal Gob, Black
123	RPEE #3		6	80.0	16.5	85.6	17.0	100+	RPE ST2 Coal Gob, Black
124	RPEE #4		6	80.0	16.5	76.6	23.1	96	RPE ST2 Coal Gob, Black
125	RPEE #5		6	80.0	16.5	82.0	16.2	100+	RPE ST2 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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