

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine RPEE 2023

PROJECT NUMBER: M23044MT

DATE: June 29, 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
37	RPEE #1		6	86.0	17.0	98.2	12.8	100+	RPEE Coal Gob, Black
38	RPEE #2		6	86.0	17.0	86.3	15.2	98	RPEE Coal Gob, Black
39	RPEE #3		6	88.5	15.5	108.5	11.4	100+	ST2 Coal Gob, Black
40	RPEE #4		6	88.5	15.5	88.3	14.5	100+	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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