

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine RPEE 2023

PROJECT NUMBER: M23044MT

DATE: May 26, 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
4	RPEE #1 SW end of horseshoe		6	97.0	13.5	94.0	14.1	97	Coal Gob, Black
5	RPEE #2 Middle south lane		6	97.0	13.5	92.3	8.8	95	Coal Gob, Black
6	RPEE #3 SE elbow		8	97.0	13.5	91.8	10.2	95	Coal Gob, Black
7	RPEE #4 Middle east lane		8	97.0	13.5	102.4	14.6	100+	Coal Gob, Black
8	RPEE #5 Middle north lane		6	97.0	13.5	96.1	8.6	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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