

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine RPEE 2023

PROJECT NUMBER: M23044MT

DATE: June 8, 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
13	RPEE #1 Entrance north		6	97.0	13.5	94.1	16.2	97	Coal Gob, Black
14	RPEE #2 Northwest bend		6	97.0	13.5	87.7	19.1	90	Coal Gob, Black
15	RPEE #3 Northwest corner		6	97.0	13.5	88.9	19.4	92	Coal Gob, Black
16	RPEE #4 Southeast middle		6	97.0	13.5	95.1	14.2	98	Coal Gob, Black
17	RPEE #5 Southwest bend		6	97.0	13.5	91.3	19.0	94	Coal Gob, Black
18	RPEE #6 South middle		6	97.0	13.5	87.6	19.8	90	Coal Gob, Black

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

Lambert and Associates

PROJECT NUMBER: M23044MT