

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine

PROJECT NUMBER:M22036MT

DATE: May 26,2022

LOCATION: Somerset

ENGINEERING TECHNICIAN: Russell Wolfe

CLIENT: Mountain Coal Company

NUCLEAR GAUGE USED: 16

	TEST LOCATION	DEPTH OR ELEVATION	PROBE DEPTH (IN)	LABORATORY PROCTOR DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)	SOIL TYPE
1	RPEE #1		8	96.5	14.5	100.6	3.6	100	Coal Gob, Black
2	RPEE #2		8	96.5	14.5	118.6	3.7	100	Coal Gob, Black
3	RPEE #3		8	96.5	14.5	108.2	4.8	100	Coal Gob, Black
4	RPEE #4		8	96.5	14.5	116.5	3.9	100	Coal Gob, Black
5	RPEE #5		8	96.5	14.5	102.7	4.8	100	Coal Gob, Black
6	RPEE #6		8	96.5	14.5	96.8	3.7	100	Coal Gob, Black
7	RPEE #7		8	96.5	14.5	102.8	3.8	100	Coal Gob, Black
8	RPEE #8		8	96.5	14.5	96.0	8.8	99	Coal Gob, Black
9	RPEE #9		8	96.5	14.5	104.8	9.9	100	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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