

**RELATIVE COMPACTION TEST RESULTS**

**PROJECT:** West Elk Mine

**PROJECT NUMBER:**M22036MT

**DATE:** June 23,2022

**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
19	RPEE #1		8	96.5	14.5	90.1	7.9	93	Coal Gob, black
30	RPEE #2		8	96.5	14.5	93.8	8.7	97	Coal Gob, black
31	RPEE #3		8	96.5	14.5	97.0	11.4	100	Coal Gob, black
32	RPEE #4		8	96.5	14.5	92.4	9.6	96	Coal Gob, black
33	RPEE #5		8	96.5	14.5	90.0	7.8	93	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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