

## RELATIVE COMPACTION TEST RESULTS

**PROJECT:** West Elk Mine

**PROJECT NUMBER:**M22036MT

**DATE:** June 16,2022

**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
24	RPEE #1		8	96.5	14.5	97.2	7.2	100	Coal Gob
25	RPEE #2		8	96.5	14.5	90.7	9.2	94	Coal Gob
26	RPEE #3		8	96.5	14.5	99.7	3.6	100	Coal Gob
27	RPEE #4		8	96.5	14.5	93.5	5.5	97	Coal Gob
28	RPEE #5		8	96.5	14.5	98.8	4.7	100	Coal Gob

**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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