

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine

PROJECT NUMBER:M22036MT

DATE: June 3,2022

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
10	RPEE #1		8	96.5	14.5	95.0	4.9	98	Coal Gob
11	RPEE #2		8	96.5	14.5	108.3	5.7	100	Coal Gob
12	RPEE #3		8	96.5	14.5	91.6	8.6	95	Coal Gob
13	RPEE #4		8	96.5	14.5	98.0	7.8	100	Coal Gob
14	RPEE #5		8	96.5	14.5	98.0	7.5	100	Coal Gob
15	RPEE #6		8	96.5	14.5	98.7	10.2	100	Coal Gob
16	RPEE #7		8	96.5	14.5	99.4	11.8	100	Coal Gob
17	RPEE #8		8	96.5	14.5	85.7	12.2	89	Coal Gob

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

Lambert and Associates

PROJECT NUMBER: M22036MT