

RELATIVE COMPACTION TEST RESULTS

PROJECT: West Elk Mine

PROJECT NUMBER:M22036MT

DATE: October 20,2022

LOCATION: Somerset

ENGINEERING TECHNICIAN: Steve Zentmeyer

CLIENT: Mountain Coal Company

NUCLEAR GAUGE USED: 14

| | TEST LOCATION | DEPTH OR ELEVATION | PROBE DEPTH (IN) | LABORATORY PROCTOR DENSITY (PCF) | OPTIMUM MOISTURE CONTENT (%) | DRY DENSITY (PCF) | MOISTURE CONTENT (%) | RELATIVE COMPACTION (%) | SOIL TYPE |
|----|---------------|-----------------------|------------------------|---|---------------------------------------|-------------------------|----------------------------|-------------------------------|-----------------|
| 42 | RPEE | | 6 | 103.0 | 11.0 | 107.6 | 12.1 | 100 | Coal Gob, black |
| 43 | RPEE | | 8 | 103.0 | 11.0 | 102.4 | 7.7 | 99 | Coal Gob, black |
| 44 | RPEE | | 8 | 103.0 | 11.0 | 101.3 | 7.0 | 98 | Coal Gob, black |
| 45 | RPEE | | 8 | 103.0 | 11.0 | 97.8 | 9.2 | 95 | Coal Gob, black |
| 46 | RPEE | | 6 | 103.0 | 11.0 | 101.0 | 7.5 | 98 | 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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