NORTH BREAKOUT

TYPICAL PORTAL SECTION DURING OPERATIONAL PHASE

NOTE:
BACKFILL MATERIAL SHALL BE TAKEN FROM ORIGINAL SALVAGED MATERIAL RECOVERED AND STORED UNDERGROUND WHEN PORTALS WERE INITIALLY DEVELOPED — SEE 1/5-281(1).

EXISTING SOIL TO BE SEEDED BY HAND PER THE APPROVED MRP AFTER REMOVAL OF SHOTCRETE — THIS WORK WILL REQUIRE HAND WORK ON THE SURFACE.

BACKFILL MATERIAL PUSHED FROM WITHIN MINE WORKINGS — SOIL AT SURFACE "O" TO BE FINAL GRADED BY HAND FROM THE SURFACE TO "A", THEN SEEDED PER APPROVED MRP — THIS WORK WILL REQUIRE HAND WORK ON THE SURFACE.

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NORTH BREAKOUT

TYPICAL PORTAL SECTION AFTER RECLAMATION IS COMPLETE

North Breakout Earthwork Calculations
Comparing Grid: Working Contours
and Grid: Reclaimed Contours

Pod cut volume: 28.65 C.Y.
Pod fill volume: 520.41 C.Y.

Total Pod Fill: 492 cy

TYPICAL PORTAL FILL
Area of a trapezoid from end of opening to last of seal, multiplied by 18'-0"

TOTAL NORTH BREAKOUT FILL CALCULATIONS
492 cy (Total Pod Fill) + 96 cy (Portal #1 Fill) + 96cy (Portal #2 Fill) = 684 cy Total Fill Required

2,193cy Available per 1/5-291

EXISTING BREAKOUTS

TYPICAL PORTAL SECTIONS

Utah American Energy, Inc.
23435 North Lila Canyon Road
Green River, Utah 84525

MISHA MINE ID #: 42-023241

GEOLOGY ING.

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