Final Report Outline

i. Title Page

ii. Executive Summary

1. Introduction
   1.1 Team Members
   1.2 Project Background

2. Project Guidelines
   2.1 Project Goals
      2.1.1 Geothermal Suite Design
      2.1.2 Educational Component
         2.1.2.1 DAQ
         2.1.2.2 Informational Kiosk
   2.2 Design Norms
      2.2.1 Stewardship
         2.2.1.1 Environmental
         2.2.1.2 Financial
      2.2.2 Integrity
      2.2.3 Humility
      2.2.4 Cultural Appropriateness

3. Geothermal Suite Design
   3.1 Suite Selection
   3.2 Load Calculation and Heat Pump Selection
      3.2.1 Load Calculation
      3.2.2 Heat Pump Selection
   3.3 Ductwork Design
      3.3.1 Sizing
      3.3.2 Positioning
   3.4 Well Field Design
      3.4.1 Well Field Capacity Calculations
      3.4.2 Pump Calculations
      3.4.3 Well Field Location Selection
      3.4.4 Boring Company Selection
   3.5 Construction Documents - G1

4. Instrumentation Package and DAQ
   4.1 Goal
   4.2 Complete List and Location
   4.3 DAQ Block Diagram

5. Educational Kiosk
   5.1 Goal
5.2 Location
5.3 Design
   5.3.1 Physical
   5.3.2 Informational Program Design

6. Budget

7. Acknowledgments
   7.1 Calvin Administration
   7.2 Triangle
   7.3 GMB
   7.4 Windemuller
   7.5 Midwest Geothermal
   7.6 AIRTECH

8. Appendix