1. Implemented modernized safety practices as recommended and required by [State] and [Company].
2. Supervised novice engineers and technicians and trained in proper use of operating [Tool], [Software] and mineshaft blueprint development.
3. Prepared reports and attended meetings with other [Industry] colleagues to receive current information on pending legislation and environmental regulations.
4. Performed thorough risk assessments on long-term and short-term mine plans and designs.
5. Prepared plans and schematics using [Software] design packages for targeted mines, including tunnels, haulage roads and shafts.
6. Evaluated current [Industry] market for competitor pricing, accurate bid placement and product cost negotiations.
7. Investigated mineral deposits and collaborated with geologists and [Type] scientists.
8. Organized safe, cost-effective completion methods of projects such as [Type] and [Type] to exceed stakeholder and [Company] expectations.
9. Used [Software] to prepare layout of mine development and determine proper mining methods.
10. Consulted geologists and [Type] engineers on selection of [Tool] and [Tool], facilities and necessary supplies including water and power supplies for below-surface exploration and build-out.
11. Monitored mine production rates to assess operational effectiveness.
12. Planned operations, developed schedules and communicated status to aptly manage complex mining projects.
13. Worked directly with construction foreman to monitor construction of mine and installation of mining equipment.
14. Spearheaded feasibility studies and determined profitability of projects by estimating mineral reserves.
15. Liaised with contractors and stakeholders on technical presentations, reports and presentations.
16. Developed technical reports to provide vital insights for mining project implementation and activities.
17. Developed estimates to determine comprehensive project costs and financial reports to monitor ongoing costs at sites.
18. Adhered to state and federal regulations when planning environmentally-sound extraction of natural resources.
19. Tested air to detect toxic gases and recommended measures for removal such as installation of ventilation shafts.
20. Devised solutions to problems of land reclamation and water and air pollution such as methods of storing excavated soil and returning exhausted mine sites to natural states.