

KIM BEASLEY



Personal details

Nationality	Australian
Profession	Senior Geotechnical Consultant (Mining)
Specialisation	Geotechnical Engineering
Year of birth	1964
Home Address	Victoria

Contact Details **Tel: +61 428792945**

Experience

Kim has over 20 years of experience in the mining sector. He has a background in Geology and exploration and since the last 10 years he has been working as Geotechnical Engineer for underground Coal mines.

Since Jan 2012 he had set up his own company servicing the underground coal mines in Central Queensland. Before that he worked with the BMA Alliance from 2004 -2010 as a Geotechnical Engineer and 2010 – 2012 as a Senior Geotechnical Engineer.

His Geotechnical skills are within:

- Interpretation of borehole logs for definition of mine ground conditions (eg. roof and floor geotechnical units, aquifers, caving and other mine hazards)
- Development and drafting of underground panel hazard plans
- Strata control management, maintenance of the Principle Hazard Management Plan for Strata
- Panel reviews and previews
- Extensometer installation, reading, collation and interpretation
- Underground mapping & Inspections
- Design and drafting of Managers Support Rules (design in consultation with qualified geotechnical engineer)
- Design for mine workings, pillar performance etc. using empirical methods
- Contract management for strata control (bolting, PUR, coring etc)
- Fall recovery response
- Risk management (SCPHMP, Catastrophic Risks, Fatal risk Protocols etc)

Education

Secondary

Senior Certificate

Year 12
Yeppoon State High School
T.E. Score 815

Tertiary Studies

Bachelor of Science (Physics)

1996
Central Queensland University
Rockhampton Qld

Post Graduate Diploma in Coal Mine Strata Control

2003/2004
UNSW, Sydney

Education and professional status

Bachelor of Science
Post Graduate Diploma in Coal Mine Strata Control

Language ability

English

Skills Summary

Communication

- Excellent verbal and written skills
- Ability to communicate effectively on all levels including production crews, supervisors, management and technical personnel
- Foundations of Frontline Leadership (Leadership, Communication & Behaviour skills for supervisors) by Prospect Engineering

Administration

- Hazard Management plans for Principle hazards, Standard Operating Procedures (SOP), Safe Working Procedures (SWP), Risk Assessments (R.A), Trigger Action Response Plans, etc.
- Budget planning and timeline schedules for department and projects
- Production of tender documents
- Contract management plans
- Production of procedure manuals
- Planning, organisation and implementation of projects/programs
- Word processing and entry of scientific data
- Production of analytical reports from data
- General office management
 - Raising material requisitions and work orders

- Competent in the use of all office equipment
- Filing and updating records

Supervision

- Underground ground support contractors (roof bolting, PUR, coring and monitoring)
- Exploration drilling program both in-seam and surface
- Exploration and in-pit drilling downhole logging (open cut)
- Exploration ground borne geophysical projects (magnetics, resistivity, RIM and seismic)
- Data acquisition, processing, validation, modelling and reporting
- Software development
- Staff supervision
- Responsible for quality control
- Delegation of duties
- Monitoring of staff duties

Computer Software

I have a thorough understanding of the following software packages:

- Geotechnical Software
- Geological / Mining software
 - Specialisation in ECSI Minex Mining Software (Horizon)
- AutoCAD LT (used for support rules etc)
- Geophysics software
- ♦ Administration software
 - Microsoft Office Word, Excel, PowerPoint, Outlook and Access
 - The Today System
 - Mincom Information Management System (MIMS) / SAP
- Software Development for specialist use (Eg LVA longwall leg pressure data)
- Corel Draw (used for drafting of Hazard Plans etc)
- Surfer (basic gridding of data)

Geological Modelling

I am thoroughly competent in the following procedures:

- Geological database management and maintenance
 - Design and set-up of new databases
 - Loading and validation for all data types
 - Geological modelling, both structure and quality

- Production of reports for reserves and resources
- Production of plans and sections

Geotechnical

I am thoroughly competent in the following procedures:

- Interpretation of borehole logs for definition of mine ground conditions (eg. roof and floor geotechnical units, aquifers, caving and other mine hazards etc)
- Development and drafting of underground panel hazard plans
- Strata control management, maintenance of the Principle Hazard Management Plan for Strata
- Panel reviews and previews
- Extensometer installation, reading, collation and interpretation
- Underground mapping
- Design and drafting of Managers Support Rules (design in consultation with qualified geotechnical engineer)
- Design for mine workings, pillar performance etc. using empirical methods
- Contract management for strata control (bolting, PUR, coring etc)
- Underground Mapping & Inspections
- Fall recovery response
- Risk management (SCPHMP, Catastrophic Risks, Fatal risk Protocols etc)

Health, Safety and Environment

- Personal commitment to safety
- Compliant with corporate policies and procedures, state and federal government environmental legislation
- Maintenance of SOPs, SWPs and HMPs
- Generic Induction both surface and underground coal
- Risk assessment

Underground Tickets

- PJB/Drifrunner
- Toyota

Work History

Jan 2012 – Current

Director/Principal of KBGeotechs PTY LTD

- Geotechnical Engineering consulting to the mining industry in all aspects of strata control for underground coal mines
- Specialising in PHMP reviews, strata characterisation using GSR method, Advanced strata control training and pit coverage.

Feb 2010- Jan 2012

Senior Geotechnical Engineer
BMA Gregory/Crinum Mine

Duties and Responsibilities:

- Manage the Opencut Ground Management Plan & related Geotechnical issues
- Manage the Punch Longwall entries geotechnical designs and issues

Aug 2004 – Feb 2010

Geotechnical Engineer
BMA Crinum Mine

Duties and Responsibilities:

- Manage the Site Ground Management Plan and geotechnical services to new and existing mines at Gregory / Crinum including
 - Determining the geotechnical domains in the mine
 - Recommend the geotechnical parameters required to be collected, spacing and timing of exploration programs.
 - Oversee geological contours and structural interpretations and preparation of hazard plans.
 - Manage installation, use, results & interpretations for telltales, gel extensometers, roof/cable bolt load cells, borehole micrometers, convergence meters, borehole scopes, piezometers, surface extensometers, pillar stress cells, torque meters, height poles, etc.
 - Manage QA/QC program on ground support and Primary, Secondary and Longwall support audits.
 - Overcoring
 - Analysis and reporting of development support requirements in active working areas that are considered to require support additional to the mine's standard support

- Inspection of areas of instability identified by TARPS and/or reported by mine site personnel and design of support plans to adequately re-support instabilities.
- Carry out highwall inspection and prepare remediation plans.
- Site investigation and reports on of falls of ground.
- Design of roof support plans in each geotechnical domain
- Manage and conduct training in the Strata Management Plan, pre-panel meetings and related SOPs and procedures
- Commissioning and contract management of consultants for the development of numerical models for stress and displacement modelling, subsidence, roof support, mine design, pillar design or water inflow.
- Evaluation of Secondary support Tenders
- Management of a secondary support contractor
- Preparation of geotechnical budgets
- Additional duties
 - Participate in quarterly review meetings with BMA underground geotechnical engineers
 - Advise on longwall shield design for new equipment acquisitions
 - Advise on continuous miner and roof bolter design for support installation and operator protection issues.
 - Set standards for roof support QA/QC specifications
 - Set standards for roof support material properties.
 - Advise on geotechnical requirements for exploration programs on Greenfield sites.
 - Work with sites and suppliers to continue to improve mining equipment with respect to fall of ground hazards
 - Carry out audits of site ground management plans, SOPs and training packages and Fatal Risk Control compliance for underground strata.
 - Site Champion for Fatal Risk Control compliance for underground strata
 - Participate in underground ground control research projects applicable to BMA

- Scope and review geotechnical studies on underground mine feasibility and pre-feasibility studies.
- Provide assistance to BMA sites experiencing geotechnical difficulties.
- Mentoring in underground geotechnical, geological and mining engineers on underground technical issues

Sept 2001 – Aug 2004

Mine Geologist (Southern Colliery)

Capcoal Pty Ltd
 Private Mail Bag
 MIDDLEMOUNT QLD 4746

Duties and Responsibilities:

- Participate in Daily, Weekly and Monthly planning meetings
- Liaise with production and technical supervisors (Shift Undermanagers, Gas Drainage Engineer etc)
- Design and draft Managers Support Rules (in consultation with qualified Geotechnical Engineer)
- Assist with mine design
- Manage contractors for ground support (bolting, PUR, cores etc)
- Strata monitoring
- Maintenance of the Frictional ignition Hazard Management Plan. Liaise with Gas drainage Engineer regarding in-seam drainage and methane compliance cores
- Maintenance of strata management system
- Development and drafting of Panel Hazard Management Plans
- Risk assessments
- Managing Minex Geological database
- Geological computer modelling (structure and Quality)
- Supervision of exploration both in-seam and surface, drilling and geophysics
- Interpretation of exploration data
- Managing consultants/ contractors general
- Administration
- MIMS material requisitions and work orders

April 2001 – Sept 2001

Geologist (Open Cut and Surface) Permanent Employee

Capcoal Pty Ltd
 Private Mail Bag

GEOHART Consultants Pty LTD

ABN: 28 979 550 809 / ACN: 137 859 128

MIDDLEMOUNT QLD 4746

Duties and Responsibilities:

- Major project Grasstree underground mine
- Managing Geological database
- Geological computer modelling (structure and Quality)
- Supervision of exploration (drilling and geophysics including 3D & 2D seismic)
- Logging of drill core
- Gas samples for methane (Q1 test)
- Interpreting exploration data
- Managing consultants/ contractors
- Administration

Sept 2000 – April 2001

Geologist (Open Cut and Surface) Term Employee

Capcoal Pty Ltd
Private Mail Bag
MIDDLEMOUNT QLD 4746

Duties and Responsibilities:

- Major project Grasstree underground mine
- Managing Geological database
- Geological computer modelling (structure and Quality)
- Supervision of exploration (drilling and geophysics including 3D & 2D seismic)
- Logging of drill core
- Gas samples for methane (Q1 test)
- Interpreting exploration data
- Managing consultants/ contractors
- Administration

Feb 2000 – Sept 2000

Contract Geologist (Open Cut and Surface)

Capcoal Pty Ltd
Private Mail Bag
MIDDLEMOUNT QLD 4746

Duties and Responsibilities:

- Major project Oak Park Open Cut
- Managing Geological database
- Geological computer modelling (structure and Quality)
- Supervision of exploration (drilling and geophysics)
- Logging of drill core
- Interpreting exploration data

- Managing consultants/ contractors
- Radiation Management (RSO)
- Administration

Dec 1999 – Feb 2000

Contract Geologist
 Callide Coalfields Pty Ltd
 P.O BOX 144
 BILOELA QLD 4715

Duties and Responsibilities:

- Managing Geological database
- Geological computer modelling (structure and Quality)
- Supervision of exploration (drilling and geophysics)
- Logging of drill core
- Interpreting exploration data
- Managing consultants/ contractors
- Radiation Management (RSO)
- Administration

May 1997 – Dec 1999

Geologist
 Callide Coalfields Pty Ltd
 P.O BOX 144
 BILOELA QLD 4715

Duties and Responsibilities:

- As Above

Dec 1996 – May 1997

Contract Geologist
 Callide Coalfields Pty Ltd
 P.O BOX 144
 BILOELA QLD 4715

Duties and Responsibilities:

- As Above

Feb. 1991 - Oct. 1996

Driller/Drillers Assistant
 Hillgrove Drilling
 30 Old Scenic Highway
 YEPPOON QLD 4703

Duties and Responsibilities

- Drilling of water bores
- Exploration drilling
- Extraction of core and chip samples
- Environmental drilling
- Operating and working heavy machinery and equipment