

EDDIE BOON

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PERSONAL DETAILS

- South African Citizen
 - Code 14 (EC) driver's license (articulated truck with trailer)
 - Fluent in English and Afrikaans
 - Married (wife fluent in English and Afrikaans), two children aged 9 and 11
 - References available on request
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QUALIFICATIONS

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| 2018 & 2008 | Sustainable Agriculture , Presented by Graeme Sait of Nutritech Solutions (Certificate after open-book examination). 2018, attended course for the second time as a personal refresher. |
| 1998 | M.Sc (Applied Mineralogy) Potchefstroom University for Christian Higher Education (PU for CHE), now North West University |
| 1997 | Advanced Business Management : Rand Afrikaans University (RAU), now University of Johannesburg (Diploma) |
| 1990 | B.Sc (Geology) Potchefstroom University for Christian Higher Education (PU for CHE), now North West University
Majors: Geology and Soil Science |
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SUMMARY OF EMPLOYMENT HISTORY

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| 1997 - Present | Farmer (Cattle and cropping) |
| 1996 – 1997 | Senior Geologist – Gold Fields of South Africa (Pty) Ltd |
| 1991 - 1996 | Geologist - Gold Fields of South Africa (Pty) Ltd |
| 1990 | Research for Masters degree |
| 1987 - 1989 | Bachelor of Science: Honours |
| 1984 | Matric, Rustenburg High School |

1997 – PRESENT FARMING

BOONS, NORTH WEST PROVINCE, SOUTH AFRICA

CROPPING (1997-2015)

- Planning, budgeting, preparation and implementation of annual crop production. Procurement of seed and fertilisers, negotiations with suppliers for best price, quality and timeous delivery. Financial forecasting of crop potential and trading futures on SAFEX to ensure guaranteed market position. Logistical planning of staff and equipment for effective crop production.
- Soil analysis, interpretation of data, addressing soil amendments, managing nitrogen application through testing at local ARC labs.
- Verus Rodora Award - Sunflower farmer of the year (2002).
- Founded and chaired study group of farmers to share knowledge of sustainable agricultural practices (including a tour of organic/biological farms in the USA, led by the John Fair Foundation).
- Large scale production of compost (± 1500 tons per season), compost tea, small scale earthworm farming and use of worm castings and leachate.
- Design and manufacture of compost turner.
- Self produced compost increased soil organic matter (carbon content) from 1.5% to 3.5% and vastly improved water retention in soils.
- Proficient large-scale commercial cultivation (1 000+ hectares) of maize, sorghum, sunflower, soybeans, dry beans, feed sorghum (including making silage) and grass.
- Proficient small-scale organic cultivation (1 hectare – own use garden) of potatoes, tomatoes, runner beans, spinach, carrots, beetroot, onions, pumpkins and herbs.
- Successfully cultivated oyster mushrooms in a controlled indoor environment for a large local food chain for 2 years.
- Knowledge and maintenance of all agricultural implements used to prepare and fertilize soil, plant, after planting care and foliar feed, harvesting and transport to depot.
- Ceased crop farming in 2015 due to persistent drought.

ANIMAL HUSBANDRY (1997 – PRESENT)

- Farming commercial beef herd (Boran x Beefmaster, Sussex and Brahman) since 1997.
- Managed Romagnola stud and commercial herd as cattle manager for 6 months 2017-2018 (in addition to own farming responsibilities). Work came to an end because owners were in personal and financial difficulties.
- Stud breeding Boran cattle since 2004. Three trips to Kenya to select animals for embryo flushing and importation of those embryos to South Africa.
- Herd administration on SA stud book and Logix (National stud animal database).
- General animal husbandry including inoculation, dehorning, proactive avoidance of health problems, diagnosis and treatment of health problems. Mixing of summer and winter supplementary feed.
- Bull selection, effective seasonal timing and planning.
- Oversight of AI programmes when needed.
- Selection of anatomically correct, fertile and productive animals of both sexes.
- Stud planning, selection, genealogy software administration, programmes for both *in-vitro* and conventional embryo flushing, preparation and synchronisation programmes for receiver (surrogate) cows.
- Senior inspector for Boran and Beefmaster breeds.
- One of four inspectors chosen to inspect nationally for the SA Boran Breeders Society 2015 – July 2017. Still active as senior inspector. (I have inspected over 3 000 stud animals since becoming a senior inspector). Invited by the Boran Society to inspect animals in Zimbabwe and Zambia.
- Invited by the Boran Stud Breeder's Society to screen the National Boran auction in 2017, 2018 and 2019 together with two other senior inspectors.

COMMUNITY INVOLVEMENT

- Actively involved in local community, schools and churches in a working capacity (fundraising, projects and general maintenance).
- Member of the local Farmer's Association.
- General and specific soil health and chemical assessments, strategies and methodology to ameliorate and rectify problems and managing nitrogen for some farmers in the area.
- Chairman of the Quantum Study Group.

1997 CONTRACTED EXPLORATION GEOLOGIST, GOLDFIELDS PTY LTD
BRAZIL

CONTRACT EXPLORATION RESPONSIBILITIES IN BRAZIL
(SEPTEMBER - DECEMBER 1997)

- Exploration in the Amazon jungle evaluating option blocks, training local geologists in exploration (gold in granite).
- Responsible for personnel, procurement of animals for travel purposes (mules), setting up camps, communicating with and involving local communities.
- Mapping and evaluation of granite outcrops in targeted option blocks (large area, near Belém, creating some of the first geological maps of the area using GPS), training local geologists in the identification of different types of granite, sampling of promising areas, investigation of local small-scale mining.
- Report writing, recommendations regarding the option blocks investigated.

1991 – 1997 GEOLOGIST, GOLDFIELDS PTY LTD
SOUTH AFRICA

PROMOTED TO SENIOR EXPLORATION GEOLOGIST IN 1996

- Senior geologist duties, management and leadership of geologists, working projects, report writing and administration responsibilities.
- Resigned August 1997 with intent to farm. Offered contract work for Goldfields in Brazil.

EXPLORATION GEOLOGIST 1992-1996

ZWARTKLOOF GEOLOGICAL EXPLORATION BASE CAMP, WARMBATHS, SOUTH AFRICA

- Exploring for platinum in the North, Soutpansberg area (Messina, Tshipise and Thohoyandou), base metal exploration in the Stoffberg-Belfast-Dullstroom area (Mpumalanga), including sampling, mapping and drilling - actual find of a mineable ore body, currently being mined.

RESPONSIBILITIES DURING EXPLORATION PHASE

- Identifying site and setting up caravan based camp, all amenities installed (including water supply, ablutions) for all staff. Several vehicles, management and maintenance of vehicles in very rough and inhospitable terrain. Building new roads.
- Geochemical sampling of target area, processing and interpretation of geochemical data, identification of possible drill sites in conjunction with geophysical surveys, management and coordination of geophysical surveys.
- Identification of drilling sites, management of drilling, mapping of core samples.
- Report writing encompassing: camp maintenance, personnel reports, drilling progress and mapping reports, further interpretation of location of possible ore body with new data, financial planning.

GOLD FIELDS GEOLOGICAL CENTRE

COMPLETION OF TRAINING JANUARY 1991 – OCTOBER 1991, SECONDED TO
SEDIMENTOLOGICAL UNIT

- Mineralogical projects, including distribution and type of gold in Free State mines (Sand River exploration), identification of clay (rectorite) causing dangerous mining conditions in some mines. Implementing processes to ensure mining safety with regard to rectorite where present. Numerous small gold related projects for different mines. Lots of microscopic work (mainly reflected light, some transmitted light).

RESPONSIBILITIES AT OTJIHASE MINE (WINDHOEK, NAMIBIA)

- Mapping of ore body, creation of maps for planning.
- Sampling of ore body.
- Writing a software program using internal software, to coordinate personnel availability for application above and below ground.
- Geological mapping of drill core.

RESPONSIBILITIES ON KLOOF MINE (CARLETONVILLE, SOUTH AFRICA)

- Geological mapping and sampling of ore face underground.
- Creating maps of reef as mapped and sampled underground for planning.
- Report writing in case of faulting / moving ore body. Instruction to mining personnel as to direction of mining to re-establish reef.
- Mineralogical work regarding the nature of the gold particles on Kloof Mine.

INTRODUCTION TO GOLDFIELDS

- Graduated B.Sc (Honns) 1989, spent one year doing research for M.Sc.
Joined Gold Fields of South Africa in 1991, completing M.Sc thesis part-time (Evaluation of a diatomaceous earth deposit, developed new technique using X-ray diffraction to determine the amount of sand (crystalline silica) in a diatomite deposit (amorphous silica).
- Post-graduate training at Gold Fields Training Centre, Glenharvie.
- Mining training at Kloof Gold Mine, Carletonville and Otjihase Copper mine, near Windhoek, Namibia.