

# Brent Biseda

W200 Project 1 Proposal

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# Classes and Project Scope

- Oil Field:
- Methods & Properties:
  - Drill multiple wells from a schedule
  - Well Count
  - Total Production Profile
  - Total Capital Profile
  - Montecarlo based on specific perturbations of properties

## Type Well:

- Methods & Properties:
  - Production History
  - Default Length

- Well:
- Methods & Properties:
  - start\_date
  - Duration
  - Cost
  - Length
  - Production History

- Economic Engine:
- Methods & Properties:
  - Accepts investment & production profile
  - Commodity Price
  - Calculate Economic Indicators
    - PV10
    - Rate of Return
    - MOIC

- Report:
- Methods & Properties:
  - Accept economic output
  - Production profile
  - Create a PDF report with production graph & Economic Results