WRITE-OFFS OF EXPLORATION AND EVALUATION ASSETS IN AUSTRALIAN MINING DEVELOPMENT STAGE ENTITIES: DETERMINANTS AND STOCK PRICE REACTIONS

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I certify that the work in this thesis has not previously been submitted for a degree nor has it been submitted as part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged. In addition, I certify that all information sources and literature used are indicated in the thesis.

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ABSTRACT

This thesis explores write-offs in exploration and evaluation (EE) assets reported by the pre-production Australian Mining Development Stage Entities (MDSEs). The financial reporting of MDSEs is subject to a specific principles-based accounting standard AASB 6, Exploration for and Evaluation of Mineral Resources which allows for multiple accounting choices to record EE assets. This reporting flexibility gives rise to managerial discretion in recording assets and can have a potential impact on asset quality. This study primarily evaluates different accounting choices in reporting EE costs at the firm level. This disclosure of information ultimately has a bearing over the impairment of the EE assets and the valuation of the firms.

To begin with, this thesis is the first comprehensive analysis on accounting choices under AASB6 since the Lourens and Henderson (1972) survey. It provides evidence of current accounting choices made by MDSEs to capitalise or to expense EE costs. This study further examines the determinants and market reactions of write-offs amongst MDSEs in the Australian mining sector. The latter signals a demarcation when uncertainty is resolved.

It is observed that capitalisation remains the dominating accounting choice for MDSEs. This descriptive finding holds in both the pre- and post-IFRS adoption periods. Based on descriptive statistics, firms choosing capitalization method, tend to have weaker financials with low cash balances, lower profitability and lower levels of equity funding. The expensing method tends to be used by firms with stronger financials with high cash balances, larger asset base, higher profitability and more equity funding.

In terms of the propensity to impair EE assets, impairment is more likely to occur amongst firms with a high proportion of non-exploration spending relative to
exploration-related spending, high cash burn rates, before obtaining project debt financing, during the mining boom. However, firms holding large EE assets with high book to market ratios, using non–Big 4 specialist auditors are associated with higher write-offs reported.

In assessing the impact of write-offs on equity valuation, on the announcement date, negative short windows (event date and 3 to 5-day abnormal buy-and-hold returns) are observed following price sensitive announcements, when information is derived from ‘preliminary final’ reports\(^1\).

\(^1\) Preliminary final report must be lodged with Australian Stock Exchange as required by the listing rules while mining and oil and gas exploration companies are not mandatory. The preliminary final report contains statement of comprehensive income, financial position and cash flows and can be audited and unaudited.
# TABLE OF CONTENTS

CERTIFICATE OF AUTHORSHIP/ORIGINALITY ........................................................................... I  

ACKNOWLEDGEMENT ................................................................................................................... II  

ABSTRACT .................................................................................................................................. IV  

TABLE OF CONTENTS ................................................................................................................... VI  

LIST OF FIGURES .......................................................................................................................... X  

LIST OF TABLES ............................................................................................................................. X  

CHAPTER 1 – INTRODUCTION ......................................................................................................... 1  

1.1 Overview .................................................................................................................................... 1  

1.2 Motivation ................................................................................................................................... 2  

1.3 Summary .................................................................................................................................... 10  

1.4 Thesis structure .......................................................................................................................... 12  

CHAPTER 2 - THE DUAL ASSURANCE FRAMEWORK: FINANCIAL AND RESOURCE REPORTING IN THE AUSTRALIAN MINING INDUSTRY ................................................................. 14  

2.1 Background ................................................................................................................................ 14  

2.2 Conceptual framework for asset definition and recognition ....................................................... 16  

2.3 Development of accounting standards ....................................................................................... 17  

2.4 Applications of IRFS 6 by Australian MDSE’s .......................................................................... 20  

2.5 Recognition of EE assets (AASB6) vs. intangible assets (AASB 138) ............................................ 24  

2.6 Choice of valuation approach: cost versus revaluation models ............................................... 27  

2.7 International comparisons ......................................................................................................... 28  

2.8 History of the mineral reporting standard (The JORC Code) .................................................... 31  

2.9 Theoretical framework .............................................................................................................. 36  

CHAPTER 3 - ACCOUNTING CHOICE ...................................................................................... 42  

3.1 Introduction ............................................................................................................................... 42
3.2 Prior accounting choice research and related findings ......................................................... 42
3.3 Sample construction .................................................................................................................. 43
3.4 Accounting treatment summary statistics ............................................................................. 48
3.5 Summary ................................................................................................................................. 52
3.6 Prior Accounting Choice Research and Related Findings ..................................................... 52

CHAPTER 4 – DETERMINANTS OF THE PROPENSITY TO UNDERTAKE WRITE-OFFS... 61
4.1 Background .............................................................................................................................. 61
4.2 Literature review and hypothesis development ........................................................................ 73
  4.2.1 Financial reporting determinants of write-off decisions ..................................................... 73
4.2.2 Monitoring mechanism determinants of write-off decisions ............................................... 79
4.2.3 Hypotheses development ..................................................................................................... 81
4.3 Research Design ..................................................................................................................... 86
  4.3.1 Characteristics of write-off firm model .............................................................................. 86
4.3.2 Data collection ..................................................................................................................... 90
4.4 Results ..................................................................................................................................... 90
  4.4.1 Firm descriptive statistics ................................................................................................. 90
4.4.2 Correlation Matrix ............................................................................................................... 92
4.4.3 Characteristics of write-off firms ......................................................................................... 93
4.4.4 Robustness testing .............................................................................................................. 101
4.5 Conclusions .......................................................................................................................... 102

CHAPTER 5 - MARKET REACTIONS AND WRITE-OFFS ..................................................... 104
5.1 Introduction ............................................................................................................................ 104
5.2 Literature review and hypothesis development ....................................................................... 105
5.3 Research design .................................................................................................................... 109
  5.3.1 Multivariate analysis on cross sectional variations in abnormal returns ......................... 109
5.3.2 Market reaction determinants ........................................................................................... 110
APPENDIX 11 DESCRIPTIVE STATISTICS FOR FIRMS WITH WRITE-OFFS REPORTED
........................................................................................................................................ 153

APPENDIX 12 REGRESSION ANALYSIS ON DETERMINANTS OF WRITE-OFFS YEAR-ON-YEAR........................................................................................................................................ 155
LIST OF FIGURES

FIGURE 3.1 DISTRIBUTION OF LISTED AND DELISTED FIRMS IN MDSE SECTOR FROM 1995 - 2015 .......... 48
FIGURE 3.2 DISTRIBUTION OF ACCOUNTING CHOICES BY FIRM YEAR FROM 1995 - 2015 ................. 49

LIST OF TABLES

TABLE 2.1 ACCOUNTING TREATMENTS OF EE ASSETS BY JURISDICTION ........................................ 31
TABLE 3.1 ATTRITION TABLE FOR THE MDSE SAMPLE BY FIRM YEAR ........................................ 44
TABLE 3.2 BREAKOUT OF FIRM YEARS BY ACCOUNTING TREATMENT & LISTING STATUS ........... 49
TABLE 4.1 DESCRIPTIVE STATISTICS RELATED TO WRITE-OFF DECISIONS .................................. 90
TABLE 4.2 CORRELATION MATRIX OF VARIABLES OF WRITE-OFF DETERMINANTS .......................... 92
TABLE 4.3 REGRESSION ANALYSIS ON DETERMINANTS OF WRITE-OFF DECISIONS ...................... 93
TABLE 4.4 REGRESSION ANALYSIS ON DETERMINANTS OF WRITE-OFF DECISIONS - FIXED EFFECTS ... 98
TABLE 4.5 REGRESSION ANALYSIS ON DETERMINANTS OF WRITE-OFF DECISIONS - WINSORISED
    HIGHEST AND LOWEST AT 5% ........................................................................................................ 99
TABLE 4.6 ROBUSTNESS TESTS: REGRESSION ANALYSIS ON WRITE-OFF DETERMINANTS ............ 101
TABLE 5.1 ABNORMAL RETURNS ...................................................................................................... 113
TABLE 5.2 REGRESSION ANALYSIS ON ABNORMAL RETURNS (STATUTORY ANNUAL
REPORTS) ............................................................................................................................................. 114
TABLE 5.3 REGRESSION ANALYSIS ON ABNORMAL RETURNS (PRELIMINARY ANNUAL REPORT) .... 115
TABLE 5.4 ROBUSTNESS TESTS: REGRESSION ANALYSIS ON ABNORMAL RETURNS - IFRS ADOPTION 117
TABLE 5.5 ROBUSTNESS TESTS: REGRESSION ANALYSIS ON ABNORMAL RETURNS - MINING BOOM
    PARTITIONING .................................................................................................................................. 118
TABLE 5.6 ROBUSTNESS TESTS: REGRESSION ANALYSIS ON ABNORMAL RETURNS - MINING BOOM
    PARTITIONING DURING POST IFRS ADOPTION PERIOD ............................................................. 119
TABLE 5.7 ROBUSTNESS TESTS: REGRESSION ANALYSIS ON ABNORMAL RETURNS - ACCOUNTING
    METHOD ............................................................................................................................................... 120