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134. Geology, Coal Quality, and Reserves of the Buffalo Hill Coal Deposit, Alberta; prepared for Seagull Resources Ltd., 1982.


142. An Appraisal of the Bengkulu Coal Showings: Sumatra, Indonesia; internal study prepared for Peter Bawden Drilling Ltd., 1987.


146. Coal Quality Study of the Magnolia Deposit, Alberta, Project Data (Vol. 2); internal study prepared for Westmin Resources Limited, 1993

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153. **A Geological Study of the North Cactus Lake Heavy Oil Pool – A Review of Parameters Relevant to Sand Control Problems; University of Regina, Energy Research Unit Contribution No. 106, 1985.**

154. **Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana; prepared for non-exclusive distribution, 1986.**

154-1. **Study Particulars; Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana; prepared for non-exclusive distribution, 1986.**

154-2. **Appendix A- Alberta well Data Townships 1 to 5; Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana; prepared for non-exclusive distribution, 1986.**

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154-30: Map: Figure 29 Isopach Map of the Beaverhill Lake – Souris River Formations (Contour Interval : 100'); Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana, prepared for non-exclusive distribution, 1986.

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