

FORM 27⁽¹⁾

SECURITIES ACT

MATERIAL CHANGE REPORT⁽²⁾

ITEM 1 Reporting Issuer:

Detector Exploration Ltd.
Suite 1100, 520 - 5th Avenue S.W.
Calgary, Alberta, T2P 3R7
Telephone (403) 264-1880
Fax (403) 265-9105

ITEM 2 Date of Material Change:

March 24, 2004

ITEM 3 News Release:

Distribution through Canada Newswire service on March 26, 2004.

ITEM 4 Summary of Material Change:

On March 24, 2004, 422331 Alberta Inc. (a holding corporation of Ronald E. Alexander who is a Director, President and C.E.O. of Detector) and Edward A. James (who is a Director and CFO of Detector) exercised their right to convert \$100,000 of Convertible Debentures held by each of them into Common Shares of Detector at \$0.17 per share (i.e. 588,235 Common Shares each). The conversion price under the debentures was scheduled to increase from \$0.17 to \$0.20 on March 31, 2004.

ITEM 5 Full Description of Material Change:

See copy of press release attached.

ITEM 6 Confidential Report - Reliance on Section 146(2) of the Securities Act (Alberta) or equivalent⁽³⁾:

N.A. This Report is not being filed on a confidential basis.

ITEM 7 Omitted Information:

N.A.

ITEM 8

Senior Officers:

Ronald E. Alexander, President
Suite 1100, 520 - 5th Avenue S.W.
Calgary, Alberta, T2P 3R7
Telephone (403) 264-1880
Fax (403) 265-9105

ITEM 9

Statement of Senior Officer:

The foregoing accurately discloses the material change referred to in this report.

DATED at Calgary, Alberta this 26th day of March, 2004.

DETECTOR EXPLORATION LTD.

Per: "Ronald E. Alexander"

Ronald E. Alexander
President

IT IS AN OFFENCE UNDER THE *SECURITIES ACT* AND THE ALBERTA SECURITIES COMMISSION RULES FOR A PERSON OR COMPANY TO MAKE A STATEMENT IN A DOCUMENT REQUIRED TO BE FILED OR FURNISHED UNDER THE ACT OR THE RULES THAT, AT THE TIME AND IN LIGHT OF THE CIRCUMSTANCES UNDER WHICH IT IS MADE, IS A MISREPRESENTATION.

ANY FEE PAYABLE TO THE ALBERTA SECURITIES COMMISSION UNDER THE *SECURITIES ACT*, THE *SECURITIES REGULATION* AND THE ALBERTA SECURITIES COMMISSION RULES SHALL BE PAID TO THE ALBERTA SECURITIES COMMISSION IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEE SCHEDULE TO THE SECURITIES REGULATION. ANY FAILURE TO ACCOMPANY A FORM OR APPLICATION WITH THE PRESCRIBED FEE SHALL RESULT IN THE RETURN OF THAT FORM OR APPLICATION.

Attachment: Press Release

(1) Equivalent Forms:

British Columbia: Form 53-901F

(2) Filed with each of the following Securities Commissions:

British Columbia Securities Commission (*via SEDAR Filing System*)
Alberta Securities Commission (*via SEDAR Filing System*)

(3) Equivalent Sections:

Securities Act (Alberta) - Section 146(2)

Securities Act (British Columbia) - Section 85(1)(b)