

DETECTOR EXPLORATION LTD.

STATEMENT OF RESERVES DATA AND OTHER OIL AND GAS INFORMATION

(COMPLYING WITH FORM 51-101F1)

EFFECTIVE DATE (as at fiscal year end): DECEMBER 31, 2008

Revised June 11, 2009

DEFINITIONS, NOTES AND OTHER CAUTIONARY STATEMENTS

ABBREVIATIONS & DEFINITIONS

Abbreviations

AECO.....	EnCana Corp.'s natural gas facility located at Suffield, Alberta
API.....	American Petroleum Institute
°API.....	an indication of the specific gravity of crude oil measured on the API gravity scale. Liquid petroleum with a specific gravity of 28°API or higher is generally referred to as light crude oil.
BOE.....	barrels of oil equivalent of natural gas and crude oil on the basis of 1 Bbl of crude oil for 6 Mcf of natural gas
BOEPD	barrel of oil equivalent per day
Corporation	Detector Exploration Ltd.
ITA.....	Income Tax Act (Canada)
\$000s	thousands of dollars
\$M	thousands of dollars
\$MM	millions of dollars
McfGE	thousand cubic feet of gas equivalent
WTI.....	West Texas Intermediate, the reference price paid in U.S. dollars at Cushing, Oklahoma for crude oil of standard grade.

Crude Oil

Bbl	barrel
Bbls	barrels
m ³	cubic meters
Mbbls	thousand barrels
MMbbls	million barrels
BOPD	barrels of oil per day
NGLs	natural gas liquids
STB	stock tank barrels

Natural Gas

Mcf	thousand cubic feet
MMcf	million cubic feet
Bcf	billion cubic feet
Mcf/d	thousand cubic feet per day
Bbls/d	barrels per day
MMcf/d	million cubic feet per day
MMBTU	million British Thermal Units
GJ	gigajoule
gigajoule	billion joules

Definitions

The meaning of many of the key definitions used in this Statement are mandated by NI 51-101. Some of the definitions mandated by NI 51-101 through its incorporation of definitions from: (a) the Canadian Oil and Gas Evaluation Handbook (the "**COGE Handbook**") prepared jointly by the Society of Petroleum Evaluation Engineers (Calgary Chapter) and the Canadian Institute of Mining, Metallurgy & Petroleum (Petroleum Society) and (b) the Canadian Institute of Chartered Accountants Handbook (the "**CICA Handbook**"), are as follows:

"Accumulation" means an individual body of Petroleum in a Reservoir.

"Analogous Information" means information about an area outside the area Detector has an interest or intends to acquire an interest, which is referenced by Detector for the purpose of drawing a comparison or conclusion to an area in which Detector has an interest or intends to acquire an interest, which comparison or conclusion is reasonable, and includes without limitation:

- (a) historical information concerning reserves;
- (b) estimates of the volume or value of reserves;
- (c) historical information concerning resources;
- (d) estimates of the volume or value of resources;
- (e) historical production amounts;
- (f) production estimates; or
- (g) information concerning a field, well, basin or reservoir.

"Anticipated Results" means information which may, in the opinion of a reasonable person, indicate the potential value or quantities of Resources in respect of Detector's Resources or a portion of Detector's Resources and includes without limitation:

- (a) estimates of volume;
- (b) estimates of value;
- (c) areal extent;
- (d) pay thickness;
- (e) flow rates; or
- (f) hydrocarbon content.

"Associated Gas" means the Gas cap overlying a Crude Oil Accumulation in a reservoir.

"Audit" means, in relation to Reserves Data, the process whereby an Independent qualified Reserves auditor carries out procedures designed to allow the Independent qualified Reserves auditor to provide reasonable assurance, in the form of an opinion that the Detector's Reserves Data (or specific parts thereof) have, in all Material respects, been determined and presented in accordance with the COGE Handbook and are, therefore, free of Material misstatement. Because of

- (a) the nature of the subject matter (estimates of future results with many uncertainties);
- (b) the fact that the Independent qualified Reserves auditor assesses the qualifications and experience of the Detector's staff, assesses the Detector's systems, procedures and controls and relies on the competence of the Detector's staff and the appropriateness of the Detector's systems, procedures and controls; and
- (c) the fact that tests and samples (involving examination of underlying documentation supporting the determination of the Reserves and Future Net Revenue) as opposed to complete Evaluations, are involved;

the level of assurance is designed to be high, though not absolute. The level of assurance cannot be described with numeric precision. It will usually be less than, but reasonably close to, that of an independent evaluation and considerably higher than that of a review.

"Bitumen" means a naturally occurring viscous mixture consisting mainly of pentanes and heavier Hydrocarbons. Its viscosity is greater than 10,000 mPa-s (cp) measured at original temperature in the Reservoir and atmospheric pressure, on a gas-free basis. Crude bitumen may contain sulphur and other non-hydrocarbon compounds.

"Canadian GAAP" means generally accepted accounting principles determined with reference to the CICA Handbook.

"CICA" means the Canadian Institute of Chartered Accountants.

"CICA Accounting Guideline 16" means Accounting Guideline AcG-16 "Oil and gas accounting - full cost" included in the CICA Handbook, as amended from time to time.

"Commercial" when a project is commercial this implies that the essential social, environmental, and economic conditions are met, including political, legal, regulatory, and contractual conditions. Considerations with regard to determining commerciality include

- (a) economic viability of the related development project;
- (b) a reasonable expectation that there will be a market for the expected sales quantities of production required to justify development;
- (c) evidence that the necessary production and transportation facilities are available or can be made available;
- (d) evidence that legal, contractual, environmental, governmental, and other social and economic concerns will allow for the actual implementation of the recovery project being evaluated;
- (e) a reasonable expectation that all required internal and external approvals will be forthcoming. Evidence of this may include items such as signed contracts, budget approvals, and approvals for expenditures, etc.
- (f) evidence to support a reasonable timetable for development. A reasonable time frame for the initiation of development depends on the specific circumstances and varies according to the

scope of the project. Although five years is recommended as a maximum time frame for classification of a project as commercial, a longer time frame could be applied where, for example, development of economic projects are deferred at the option of the producer for, among other things, market-related reasons or to meet contractual or strategic objectives.

“Constant Prices and Costs” means prices and costs used in an estimate that are: (a) Detector's prices and costs as at the Effective Date of the estimation, held constant throughout the estimated lives of the Properties to which the estimate applies, (b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which Detector is legally bound by a contractual or other obligation to supply a physical product, including those for an extension period of a contract that is likely to be extended, those prices or costs rather than the prices and costs referred to in paragraph (a). For the purpose of paragraph (a), Detector's prices will be the posted price for oil and the spot price for gas, after historical adjustments for transportation, gravity and other factors.

“Contingent Resources” means those quantities of Petroleum estimated, as of a given date, to be potentially recoverable from Known Accumulations using established technology or technology under development, but which are not currently considered to be Commercially recoverable due to one or more contingencies. Contingencies may include factors such as economic, legal, environmental, political, and regulatory matters or a lack of markets. It is also appropriate to classify as contingent resources the estimated discovered recoverable quantities associated with a project in the early evaluation stage.

“Company” or “Corporation” means Detector Exploration Ltd.

“Crude Oil” or “Oil” means a mixture consisting mainly of pentanes and heavier Hydrocarbons that exists in the liquid phase in Reservoirs and remains liquid at atmospheric pressure and temperature. Crude oil may contain small amounts of sulphur and other non-hydrocarbons but does not include liquids obtained from the processing of Natural Gas.

“Developed Non-Producing Reserves” are those Reserves that either have not been on Production, or have previously been on Production, but are shut-in, and the date of resumption of Production is unknown.

“Developed Producing Reserves” are those Reserves that are expected to be recovered from completion intervals open at the time of the estimate. These Reserves may be currently producing or, if shut-in, they must have previously been on Production, and the date of resumption of Production must be known with reasonable certainty. The developed category may be subdivided into producing and non-producing.

“Developed Reserves” are those Reserves that are expected to be recovered from existing wells and installed facilities or, if facilities have not been installed, that would involve a low expenditure (for example, when compared to the cost of drilling a well) to put the Reserves on Production.

“Development Costs” means costs incurred to obtain access to reserves and to provide facilities for extracting, treating, gathering and storing the oil and gas from the reserves. More specifically, development costs, including applicable Operating Costs of Support Equipment and Facilities and other costs of development activities, are costs incurred to: (a) gain access to and prepare well locations for drilling, including surveying well locations for the purpose of determining specific development drilling sites, clearing ground, draining, road building, and relocating public roads, gas lines and power lines, to the extent necessary in developing the reserves; (b) drill and equip Development Wells, development type Stratigraphic Test Wells and Service Wells, including the costs of platforms and of well equipment such as casing, tubing, pumping equipment and the wellhead assembly; (c) acquire, construct and install Production facilities such as flow lines, separators, treaters, heaters, manifolds, measuring devices and Production storage tanks, Natural Gas cycling and processing plants, and central utility and waste disposal systems; and (d) provide improved recovery systems.

“Development Well” means a well drilled inside the established limits of an Oil or Gas Reservoir, or in close proximity to the edge of the Reservoir, to the depth of a stratigraphic horizon known to be productive.

"Discovered Petroleum Initially-In-Place" or "Discovered Resources" means that quantity of petroleum that is estimated, as of a given date, to be contained in known Accumulations prior to Production. The recoverable portion of Discovered Petroleum Initially-In-Place includes Production, Reserves and Contingent Resources; the remainder is unrecoverable.

"Discovered Unrecoverable Petroleum Initially-In-Place" or "Discovered Unrecoverable Resources" means that portion of Discovered Petroleum Initially-In-Place which is estimated, as of a given date, not to be recoverable by future development projects. A portion of these quantities may become recoverable in the future as commercial circumstances change or technological developments occur; the remaining portion may never be recovered due to the physical/chemical constraints represented by subsurface interaction of fluids and reservoir rocks.

"Evaluation" means, in relation to Reserves Data, the process whereby an economic analysis is made of a Property to arrive at an estimate of a range of Net present values of the estimated Future Net Revenue resulting from the Production of the Reserves associated with the Property.

"Exploration Costs" means Costs incurred in identifying areas that may warrant examination and in examining specific areas that are considered to have Prospects that may contain Oil and Gas Reserves, including costs of drilling Exploratory Wells and exploratory type Stratigraphic Test Wells. Exploration Costs may be incurred both before acquiring the related Property (sometimes referred to in part as "prospecting costs") and after acquiring the Property. Exploration Costs, which include applicable Operating Costs of Support Equipment and Facilities and other costs of exploration activities, are:

- (a) costs of topographical, geochemical, geological and geophysical studies, rights of access to Properties to conduct those studies, and salaries and other expenses of geologists, geophysical crews and others conducting those studies (collectively sometimes referred to as "geological and geophysical costs");
- (b) costs of carrying and retaining unproved Properties, such as delay rentals, taxes (other than income and capital taxes) on Properties, legal costs for title defense, and the maintenance of land and Lease records;
- (c) dry hole contributions and bottom hole contributions;
- (d) costs of drilling and equipping Exploratory Wells; and
- (e) costs of drilling exploratory type Stratigraphic Test Wells.

"Exploratory Well" means a well that is not a Development Well, a Service Well or a Stratigraphic Test Well.

"Field" means a defined geographical area consisting of one or more pools.

"Forecast Prices and Costs" means future prices and costs that are: (a) generally accepted as being a reasonable outlook of the future; (b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which Detector is legally bound by a contractual or other obligation to supply a physical product, including those for an extension period of a contract that is likely to be extended, those prices or costs rather than the prices and costs referred to in paragraph (a).

"Future Income Tax" means future income tax expenses estimated (generally, year-by-year): (a) making appropriate allocations of estimated unclaimed costs and losses carried forward for tax purposes, between Oil and Gas activities and other business activities; (b) without deducting estimated future costs (for example, Crown royalties) that are not deductible in computing taxable income; (c) taking into account estimated tax credits and allowances (for example, royalty tax credits); and (d) applying to the future pre-tax net cash flows relating to Detector's oil and gas activities the appropriate year-end statutory tax rates, taking into account future tax rates already legislated.

"Future Net Revenue" means the estimated Net amount to be received with respect to the development and Production of Reserves (including Synthetic Oil, coal bed methane and other non-conventional Reserves) estimated using: (a) forecast prices and costs, and (b) at the option of Detector, constant prices and costs. This net amount is computed by deducting, from estimated future revenues: (i) estimated amounts of future royalty obligations; (ii) costs related to the development and Production of Reserves; (iii) abandonment and reclamation costs; and (iv) future income tax expenses, unless

otherwise specified in NI-51-101, Form 51-101F1 or Forms 51-101F2. Corporate general and administrative expenses and financing costs are not deducted. Net present values of Future Net Revenue may be calculated using a discount rate or without discount.

"Gas" or "Natural Gas" means a mixture of lighter hydrocarbons that exist either: in gaseous phase, or in solution in Crude Oil in Reservoirs but are gaseous at atmospheric conditions. Natural gas may include sulphur and other non-hydrocarbon compounds.

"Gross" means: (a) in relation to Detector's interest in Production or Reserves, Detector's "company Gross Reserves", which are Detector's working interest (operating or non-operating) share before deduction of royalties and without including any royalty interests of Detector, (b) in relation to wells, the total number of wells in which Detector has an interest, and (c) in relation to Properties, the total area of properties in which Detector has an interest.

"Heavy Oil" in respect of Reserves or Production means: (a) in a Jurisdiction that has a royalty regime specific to heavy oil, "heavy oil" is oil that qualifies for royalties specific to heavy oil; or (b) in a Jurisdiction that has no royalty regime specific to heavy oil, "heavy oil" is oil with a density between 10 to 22.3 degrees API (as that term is defined by the American Petroleum Institute).

"Hydrocarbons" means solid, liquid, or Gas made up of compounds of carbon and hydrogen in varying proportions

"Jurisdiction" for the purposes of NI 51-101, means a province or territory of Canada.

"Known Accumulation" means an Accumulation that has been penetrated by a well. In general, the well must have demonstrated the existence of Hydrocarbons by flow testing in order for the Accumulation to be classified as "known". However, where log and/or core data exist and there is a good analogy to a nearby and geologically comparable known accumulation, this may suffice.

"Lease" means an agreement granting to the lessee rights to explore, develop and exploit a Property.

"Marketable" means in respect of reserves or sales of Oil, Gas or associated by-products, the volume of Oil, Gas or associated by-products measured at the point of sale to a third party, or of transfer to another division of the issuer for treatment prior to sale to a third party. For Gas, this may occur either before or after removal of Natural Gas liquids. For Heavy Oil or Bitumen, this is before the addition of diluents.

"Material" or "Materiality" for the purposes of NI 51-101, information is Material, in respect of Detector, if it would be likely to influence a decision by a reasonable investor to buy, hold or sell a security of Detector. This meaning differs from the definitions of "material change" and "material fact" in Securities Legislation, but is consistent with the meaning of the term as used, for accounting purposes, in the CICA Handbook.

"Natural Gas Liquids" means those hydrocarbon components that can be recovered from Natural Gas as liquids including, but not limited to, ethane, propane, butanes, pentanes plus, condensate and small quantities of non-hydrocarbons.

"Net" means: (a) in relation to Detector's interest in Production or Reserves, Detector's working interest (operating or non-operating) share after deduction of royalty obligations, plus Detector's royalty interests in Production or Reserves, (b) in relation to Detector's interest in wells, the number of wells obtained by aggregating Detector's working interest in each of Detector's gross wells, and (c) in relation to Detector's interest in a Property, the total area in which Detector has an interest multiplied by the working interest owned by Detector.

"Non-Associated Gas" means an Accumulation of Natural Gas in a reservoir where there is no Crude Oil.

"Oil" means crude oil or synthetic oil.

"Oil and Gas Activities" (a) include: (i) the search for Crude Oil or Natural Gas in their natural states and original locations; (ii) the acquisition of Property Rights or Properties for the purpose of further exploring

for or removing Oil or Gas from Reservoirs on those properties; (iii) the construction, drilling and Production activities necessary to recover Oil and Gas from Reservoirs, and the acquisition, construction, installation and maintenance of Field gathering and storage systems, including lifting Oil and Gas to the surface and gathering, treating, Field processing and Field storage; and (iv) the extraction of Hydrocarbons from Oil sands, shale, coal or other non-conventional sources and activities similar to those referred to in clauses (i), (ii) and (iii) undertaken with a view to such extraction; but (b) do not include: (i) transporting, refining or marketing Oil or Gas; (ii) activities relating to the extraction of natural Resources other than Oil and Gas and their by-products; or (iii) the extraction of geothermal steam or of Hydrocarbons as a by-product of the extraction of geothermal steam or associated geothermal resources.

"Petroleum" means a naturally occurring mixture consisting predominantly of Hydrocarbons in the gaseous, liquid, or solid phase.

"Possible Reserves" are those additional Reserves that are less certain to be recovered than Probable Reserves. It is unlikely that the actual remaining quantities recovered will exceed the sum of the estimated Proved plus Probable plus Possible Reserves.

"Probable Reserves" are those additional Reserves that are less certain to be recovered than Proved Reserves. It is equally likely that the actual remaining quantities recovered will be greater or less than the sum of the estimated Proved plus Probable Reserves.

"Product Types" means one of the following:

- (a) in respect of conventional Oil and Gas activities:
 - (i) Light and medium Crude Oil (combined);
 - (ii) Heavy Oil;
 - (iii) Natural Gas excluding Natural Gas Liquids; or
 - (iv) Natural Gas Liquids; and
- (b) in respect of non-conventional Oil and Gas activities:
 - (i) Synthetic Oil;
 - (ii) Bitumen;
 - (iii) coal bed methane;
 - (iv) hydrates;
 - (v) shale oil; or
 - (vi) shale gas.

"Production" means recovering, gathering, treating, Field or plant processing (for example, processing gas to extract Natural Gas Liquids) and Field storage of oil and gas. The Oil production function is usually regarded as terminating at the outlet valve on the Lease or Field production storage tank. The Gas production function is usually regarded as terminating at the plant gate. In some circumstances, it may be more appropriate to regard the production function as terminating at the first point at which Oil, Gas or their by-products are delivered to a main pipeline, a common carrier, a refinery or a marine terminal.

"Production Costs" or **"Operating Costs"** means costs incurred to operate and maintain wells and related equipment and facilities, including applicable operating costs of Support Equipment and Facilities and other costs of operating and maintaining those wells and related equipment and facilities. Lifting costs become part of the cost of Oil and Gas produced. Examples of production costs are: (a) costs of labour to operate the wells and related equipment and facilities; (b) costs of repairs and maintenance; (c) costs of materials, supplies and fuel consumed, and supplies utilized, in operating the wells and related equipment and facilities; (d) costs of workovers; (e) Property taxes and insurance costs applicable to properties and wells and related equipment and facilities; and (f) taxes, other than income and capital taxes.

"Production Group" means one of the following together, in each case, with associated byproducts: (a) light and medium Crude Oil (combined); (b) Heavy Oil; (c) Associated Gas and Non-Associated Gas (combined); and (d) Bitumen, Synthetic Oil or other products from non-conventional Oil and Gas activities.

"Property" includes: (a) fee ownership or a lease, concession, agreement, permit, licence or other interest representing the right to extract Oil or Gas subject to such terms as may be imposed by the conveyance

of that interest; (b) royalty interests, Production payments payable in Oil or Gas, and other non-operating interests in Properties operated by others; and (c) an agreement with a foreign government or authority under which Detector participates in the operation of Properties or otherwise serves as "producer" of the underlying Reserves (in contrast to being an Independent purchaser, broker, dealer or importer). A property does not include supply agreements, or contracts that represent a right to purchase, rather than extract, oil or gas.

"Property Acquisition Costs" means costs incurred to acquire a Property (directly by purchase or Lease, or indirectly by acquiring another corporate entity with an interest in the Property), including: (a) costs of Lease bonuses and options to purchase or Lease a Property; (b) the portion of the costs applicable to Hydrocarbons when land including rights to hydrocarbons is purchased in fee; (c) brokers' fees, recording and registration fees, legal costs and other costs incurred in acquiring properties.

"Prospect" means a geographic or stratigraphic area, in which Detector owns or intends to own one or more Oil and Gas interests, which is geographically defined on the basis of geological data and which is reasonably anticipated to contain at least one Reservoir or part of a Reservoir of Oil and Gas.

"Prospective Resources" means those quantities of Petroleum estimated, as of a given date, to be potentially recoverable from undiscovered Accumulations by application of future development projects. Prospective resources have both an associated chance of discovery and a chance of development.

"Proved Property" means a Property or part of a Property to which Reserves have been specifically attributed.

"Proved Reserves" are those reserves that can be estimated with a high degree of certainty to be recoverable. It is likely that the actual remaining quantities recovered will exceed the estimated proved reserves.

"Reserves" are estimated remaining quantities of oil and natural gas and related substances anticipated to be recoverable from known accumulations, from a given date forward, based on (i) analysis of drilling, geological, geophysical and engineering data; (ii) the use of established technology; and (iii) specified economic conditions, which are generally accepted as being reasonable and shall be disclosed.

"Reserves Data" means estimates of proved reserves and probable reserves and related future net revenue estimated using forecast prices and costs.

"Reservoir" means a porous and permeable subsurface rock formation that contains a separate accumulation of petroleum that is confined by impermeable rock or water barriers and is characterized by a single pressure system.

"Resources" is a general term that may refer to all or a portion of Total Resources.

"Service Well" means a well drilled or completed for the purpose of supporting production in an existing field. Wells in this class are drilled for the following specific purposes: gas injection (natural gas, propane, butane or flue gas), water injection, steam injection, air injection, salt-water disposal, water supply for injection, observation, or injection for combustion.

"Solution Gas" means Gas dissolved in Crude Oil.

"Stratigraphic Test Well" means a drilling effort, geologically directed, to obtain information pertaining to a specific geologic condition. Ordinarily, such wells are drilled without the intention of being completed for hydrocarbon Production. They include wells for the purpose of core tests and all types of expendable holes related to hydrocarbon exploration. Stratigraphic test wells are classified as (a) "exploratory type" if not drilled into a proved Property; or (b) "development type", if drilled into a proved Property. Development type stratigraphic wells are also referred to as "evaluation wells".

"Support Equipment And Facilities" means equipment and facilities used in Oil and Gas Activities, including seismic equipment, drilling equipment, construction and grading equipment, vehicles, repair shops, warehouses, supply points, camps, and division, district or field offices.

"Synthetic Oil" means a mixture of hydrocarbons derived by upgrading crude bitumen from oil sands or kerogen from oil shales or other substances such as coal.

"Total Petroleum Initially-In-Place" or "Total Resources" means that quantity of Petroleum that is estimated to exist originally in naturally occurring Accumulations. It includes that quantity of Petroleum that is estimated, as of a given date, to be contained in Known Accumulations, prior to Production, plus those estimated quantities in Accumulations yet to be discovered.

"Undeveloped Reserves" are those reserves expected to be recovered from Known Accumulations where a significant expenditure (for example, when compared to the cost of drilling a well) is required to render them capable of production. They must fully meet the requirements of the Reserves classification (Proved, Probable, Possible) to which they are assigned. In multi-well pools it may be appropriate to allocate total pool Reserves between the Developed and Undeveloped categories or to subdivide the Developed Reserves for the pool between Developed Producing and Developed Non-Producing. This allocation is based on the estimator's assessment as to the reserves that will be recovered from specific wells, facilities and completion intervals in the pool and their respective development and production status.

"Undiscovered Petroleum Initially-In-Place" or "Undiscovered Resources" means that quantity of Petroleum that is estimated, on a given date, to be contained in Accumulations yet to be discovered. The recoverable portion of Undiscovered Petroleum Initially-In-Place is referred to as Prospective Resources; the remainder is unrecoverable.

"Undiscovered Unrecoverable Petroleum Initially-In-Place" or "Undiscovered Unrecoverable Resources" means that portion of Undiscovered Petroleum Initially-In-Place which is estimated, as of a given date, not to be recoverable by future development projects. A portion of these quantities may become recoverable in the future as commercial circumstances change or technological developments occur; the remaining portion may never be recovered due to the physical/chemical constraints represented by subsurface interaction of fluids and Reservoir rocks.

"Unproved Property" means a Property or part of a Property to which no Reserves have been specifically attributed.

"Well Abandonment Costs" means costs of abandoning a well (net of salvage value) and of disconnecting the well from the surface gathering system. They do not include costs of abandoning the gathering system or reclaiming the wellsite.

Levels of Certainty for Reported Reserves

The qualitative certainty levels referred to in the reserve definitions above are applicable to individual reserves entities (which refers to the lowest level at which reserves calculations are performed) and to reported reserves (which refers to the highest level sum of individual entity estimates for which reserves estimates are presented). Reported reserves estimates are required to target the following levels of certainty under a specific set of economic conditions:

- (a) at least a 90 percent probability that the quantities actually recovered will equal or exceed the estimated Proved Reserves;
- (b) at least a 50 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated Proved Reserves plus Probable Reserves; and
- (c) at least a 10 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated Proved Reserves plus Probable Reserves plus Possible Reserves.

BOEs may be misleading, particularly if used in isolation. A BOE conversion ratio of 1 BOE for each 6 Mcf is based on an energy equivalent conversion method primarily applicable at the burner tip and does not necessarily represent a value equivalency at the wellhead.

The determination of oil and gas reserves involves the preparation of estimates that have an inherent degree of associated uncertainty. Categories of proved, probable and possible reserves have been established to reflect the level of these uncertainties and to provide an indication of the probability of recovery.

The estimation and classification of reserves requires the application of professional judgement combined with geological and engineering knowledge to assess whether or not specific reserve classification criteria have been satisfied. Knowledge of concepts including uncertainty of risk, probability and statistics, and deterministic and probabilistic estimation methods are required to properly use and apply reserve definitions.

Form 51-101F1

DETECTOR EXPLORATION LTD. (“the Corporation” or “Company”)

STATEMENT OF RESERVE DATA AND OTHER OIL AND GAS INFORMATION

Revised June 11, 2009

PART 1

RELEVANT DATES

The effective date of the information being provided in this statement is December 31, 2008. The preparation date of the information being provided in this statement is April 22, 2009. For a glossary of terminology and definitions relating to the information included in this report, readers are referred to National policy Instrument 51-101 “Standards for Disclosure for Oil and Gas Activities” (“NI 510101”).

RESERVES AND FUTURE NET REVENUE

The following is a summary of the oil and natural gas reserves and the net present values of future net revenue of Detector Exploration Ltd. as evaluated by McDaniel & Associates Consultants Ltd. of Calgary Alberta Report dated April 13, 2009. McDaniel & Associates Consultants Ltd. are independent qualified reserves evaluators appointed by the Corporation pursuant to NI 51-101. McDaniel & Associates Consultants Ltd. independently evaluated all of the Corporation’s Oil and Gas properties.

The estimated future net revenue figures contained in the following tables do not necessarily represent the fair market value of the Corporation’s reserves. There is no assurance that the forecast price and costs assumptions contained in the McDaniel & Associates Consultants Ltd.’s report will be attained and variances could be material. Other assumptions relating to costs and other matters are included in the McDaniel & Associates Consultants Ltd.’s report. The recovery and reserves estimates attributed to the Corporation’s properties described herein are estimates only. The actual reserves attributable to the Corporation’s properties may be greater or less than those calculated.

PART 2

DISCLOSURE OF RESERVE DATA

The following tables provide information regarding the estimated Canadian¹ reserves and net present value of future net revenue based on constant prices and cost information with respect to the interests held by Detector for each of the product types that Detector has interests in for proved developed producing, proved developed non-producing, proved undeveloped, all proved in total, probable and all proved plus probable. Due to rounding certain columns may not add exactly.

Reserves Data (Constant Prices and Costs)

The following tables provide information regarding the estimated Canadian reserves and net present value of future net revenue based on constant prices and cost information with respect to the interests held by Detector for each of the product types that Detector has interests in for proved developed producing, proved developed non-producing, proved undeveloped, all proved in total, probable and all proved plus probable. As required by NI 51-101 the estimates of reserves and future net revenue are estimated assuming that the development of each property in respect of which the estimate is made will occur, without regard to the likely availability to Detector of funding required for that development.

TABLE A
SUMMARY OF RESERVES AND NET PRESENT VALUE
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL RESERVES

	REMAINING RESERVES							
	Light/Medium Oil		Heavy Oil		Natural Gas		Natural Gas Liquids	
	Gross (Mbbbl)	Net (Mbbbl)	Gross (Mbbbl)	Net (Mbbbl)	Gross (MMcf)	Net (MMcf)	Gross (Mbbbl)	Net (Mbbbl)
Proved Producing	32.8	30.4	-	-	136.6	248.0	1.5	3.5
Proved Non-Producing	-	-	-	-	110.7	79.7	-	-
Total Proved	32.8	30.4	-	-	247.3	327.7	1.5	3.5
Probable	8.7	7.7	-	-	167.4	172.4	0.3	0.9
Total Proved Plus Probable	41.4	38.2	-	-	414.7	500.1	1.8	4.4

¹ Detector does not hold interests in any properties located outside of Canada.

TABLE B
NET PRESENT VALUES OF FUTURE NET REVENUE
BEFORE INCOME TAXES

	<u>Undisc.</u> (MM\$)	<u>@ 5.0%</u> (MM\$)	<u>@ 10.0%</u> (MM\$)	<u>@ 15.0%</u> (MM\$)	<u>@ 20.0%</u> (MM\$)
Proved Producing	2.82	2.46	2.18	1.96	1.78
Proved Non-Producing	0.36	0.33	0.30	0.27	0.25
Total Proved	3.18	2.79	2.48	2.23	2.02
Probable	1.62	1.30	1.06	0.89	0.77
Total Proved Plus Probable	4.80	4.08	3.54	3.12	2.79

TABLE C
NET PRESENT VALUES OF FUTURE NET REVENUE
AFTER INCOME TAXES

	<u>Undisc.</u> (MM\$)	<u>@ 5.0%</u> (MM\$)	<u>@ 10.0%</u> (MM\$)	<u>@ 15.0%</u> (MM\$)	<u>@ 20.0%</u> (MM\$)
Proved Producing	2.75	2.41	2.14	1.93	1.75
Proved Non-Producing	0.26	0.25	0.23	0.21	0.20
Total Proved	3.02	2.66	2.37	2.14	1.95
Probable	1.23	0.98	0.81	0.68	0.58
Total Proved Plus Probable	4.25	3.64	3.18	2.82	2.54

The following tables provide a breakdown of various elements of future net revenue (undiscounted) attributable to proved reserves and proved plus probable (in total) of the Corporation estimated using forecast prices and costs and calculated without discount:

**UNDISCOUNTED FUTURE NET REVENUE
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL RESERVES**

	<u>SALES REVENUE (1) (M\$)</u>	<u>ROYALTIES (2) (M\$)</u>	<u>OPERATING COSTS (M\$)</u>	<u>DEVELOPMENT COSTS (M\$)</u>	<u>ABANDONMENT COSTS (M\$)</u>	<u>FUTURE NET REVENUE BEFORE TAX (M\$)</u>
Total Proved Reserves	5,892	606	1,802	55	247	3,182
Total Proved Plus Probable	8,551	905	2,465	124	255	4,802
					<u>INCOME TAXES (M\$)</u>	<u>FUTURE NET REVENUE AFTER TAX (M\$)</u>
Total Proved Reserves					165	3,017
Total Proved Plus Probable					551	4,251

1) Sales Revenue includes all non-producing income

2) Royalties includes any net profits interest paid, as well as the Saskatchewan Corporation Capital Tax Surcharge

The following table details by production group the net present value of future net revenue (before deducting future income tax expenses) estimated using forecast prices and costs.

**SUMMARY FORECAST OF PRODUCTION AND REVENUE BY PRODUCTION GROUP
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL PROVED RESERVES**

	<u>Remaining Reserves</u>				<u>Net Present Value Before Tax - M\$</u>			
	<u>Gross Lease</u>	<u>Gross Working Interest</u>	<u>Royalty Interest</u>	<u>Net</u>	<u>@ 5.0%</u>	<u>@ 10.0%</u>	<u>@ 15.0%</u>	<u>@ 20.0%</u>
Light/Medium Oil (Mbbl)	120.5	32.8	-	30.4	818.3	728.9	656.9	598.0
Heavy Oil (Mbbl)	-	-	-	-	-	-	-	-
Natural Gas (MMcf)	3,322.2	247.3	129.0	327.7	1,766.6	1,572.0	1,415.1	1,286.6
Natural Gas Liquids (Mbbl)	63.0	1.5	2.7	3.5	203.1	176.3	155.7	139.4
Total (MBOE)	686.3	57.0	24.2	75.3	2,462.5	2,181.4	1,957.3	1,775.7

**SUMMARY FORECAST OF PRODUCTION AND REVENUE BY PRODUCTION GROUP
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
PROVED NON-PRODUCING RESERVES**

	<u>Remaining Reserves</u>				<u>Net Present Value Before Tax - M\$</u>			
	<u>Gross Lease</u>	<u>Gross Working Interest</u>	<u>Royalty Interest</u>	<u>Net</u>	<u>@ 5.0%</u>	<u>@ 10.0%</u>	<u>@ 15.0%</u>	<u>@ 20.0%</u>
Light/Medium Oil (Mbbl)	-	-	-	-	(8.5)	(7.6)	(6.9)	(6.2)
Heavy Oil (Mbbl)	-	-	-	-	-	-	-	-
Natural Gas (MMcf)	305.8	110.7	-	79.7	333.9	303.5	277.2	254.5
Natural Gas Liquids (Mbbl)	-	-	-	-	-	-	-	-
Total (MBOE)	51.00	18.50	-	13.30	325.50	295.90	270.30	248.30

OIL AND GAS RESERVES AND NET PRESENT VALUES BY PRODUCTION GROUP
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
ALL RESERVES

RESERVE GROUP BY CATEGORY	RESERVES					
	Oil		Natural Gas		Natural Gas Liquids	
	Gross (Mbbbl)	Net (Mbbbl)	Gross (MMcf)	Net (MMcf)	Gross (Mbbbl)	Net (Mbbbl)
LIGHT AND MEDIUM OIL (including Associated Gas and By-products)						
Proved Producing	33	30	4	3	-	-
Proved Non-Producing	-	-	-	-	-	-
Total Proved	33	30	4	3	-	-
Probable	9	8	1	1	-	-
Total Proved Plus Probable	41	38	5	5	-	-

RESERVE GROUP BY CATEGORY	NET PRESENT VALUE OF FUTURE NET REVENUE Before Income Taxes (4)			Unit Values (2) \$/bbl \$/Mcf	BOE's (3) (Value Conversion)	
	@ 0.0% (M\$)	@ 10.0% (M\$)	@ 15.0% (M\$)			
	LIGHT AND MEDIUM OIL (including Associated Gas and By-products)					
Proved Producing		965	757	683	24.87	-
Proved Non-Producing		(9)	(8)	(7)	-	-
Total Proved		955	749	676	24.62	-
Probable		317	185	147	23.85	-
Total Proved Plus Probable		1,272	934	823	24.46	-

RESERVE GROUP BY CATEGORY	RESERVES					
	Oil		Natural Gas		Natural Gas Liquids	
	Gross (Mbbbl)	Net (Mbbbl)	Gross (MMcf)	Net (MMcf)	Gross (Mbbbl)	Net (Mbbbl)
NON-ASSOCIATED GAS (including By-products)						
Proved Producing	-	-	133	245	1	4
Proved Non-Producing	-	-	111	80	-	-
Total Proved	-	-	244	324	1	4
Probable	-	-	166	171	-	1
Total Proved Plus Probable	-	-	410	496	2	4

RESERVE GROUP BY CATEGORY	NET PRESENT VALUE OF FUTURE NET REVENUE Before Income Taxes (4)			Unit Values (2) \$/bbl \$/Mcf	BOE's (3) (Value Conversion)	
	@ 0.0% (M\$)	@ 10.0% (M\$)	@ 15.0% (M\$)			
	NON-ASSOCIATED GAS (including By-products)					
Proved Producing		1,857	1,424	1,274	5.82	4.27
Proved Non-Producing		369	303	277	3.81	-
Total Proved		2,226	1,728	1,552	5.33	4.62
Probable		1,304	879	747	5.13	4.64
Total Proved Plus Probable		3,530	2,607	2,298	5.26	4.65

- 1) Gas reserves included in Light, Medium are solution gas reserves only
- 2) Unit values are calculated by using 10% discount rate for the major product type net reserves for each group.
- 3) BOE's are calculated by dividing the unit value of Light and Medium oil reserves by the unit values of the other major product type reserves for each classification. The results in BOEs calculated on a value basis.
- 4) Processing income is included where applicable.

PART 3

PRICING ASSUMPTIONS

The following tables detail the benchmark reference prices for the regions in which the Corporation operated as at December 31, 2008 reflected in the reserves data disclosed above under "Disclosure of Reserves Data". These pricing assumptions were provided by **McDaniel & Associates Consultants Ltd.**, an independent qualified reserves evaluator and auditor.

SUMMARY OF OIL PRICES FORECAST

Year	WTI Crude Oil \$/US/bbl (1)	Brent Crude Oil \$/US/bbl (2)	Edmonton Light Crude Oil \$/C/bbl (3)	Alberta Bow River Hardisty Crude Oil \$/C/bbl (4)	Alberta Heavy Crude Oil \$/C/bbl (5)	Sask Cromer Medium Crude Oil \$/C/bbl (6)	Edmonton Cond & Natural Gasolines \$/bbl	Edmonton Propane \$/bbl	Edmonton Butane \$/bb	Edmonton NGL Mix \$/bbl (7)	Inflation %	US/CAN Exchange Rate \$/US/\$CAN
History												
2004	41.40	38.30	52.54	37.60	30.40	45.94	55.77	33.28	39.45	39.94	2.0	0.770
2005	58.56	54.48	68.72	44.83	34.35	57.47	77.30	43.29	52.58	53.34	2.1	0.826
2006	66.23	65.20	72.80	51.55	42.85	61.25	78.05	44.05	60.10	56.47	2.2	0.880
2007	72.30	72.80	76.35	53.25	44.90	65.40	84.05	49.45	63.75	61.38	2.0	0.935
2008	99.60	97.80	102.20	84.30	76.80	93.20	110.40	58.40	75.25	74.70	2.4	0.943
Forecast												
2009	60.00	58.50	69.60	54.80	47.00	61.80	71.60	44.10	51.00	52.00	2.0	0.850
2010	71.40	69.90	83.00	65.30	56.10	73.70	85.00	50.80	60.80	61.10	2.0	0.850
2011	83.20	81.60	91.40	72.00	61.80	81.20	93.50	55.10	67.00	66.90	2.0	0.900
2012	90.20	88.60	93.90	73.90	64.00	83.40	96.00	56.90	68.80	68.90	2.0	0.950
2013	97.40	95.80	96.30	75.90	65.60	85.60	98.50	58.40	70.50	70.70	2.0	1.000
2014	99.40	97.70	98.30	77.40	67.00	87.40	100.50	59.70	72.00	72.20	2.0	1.000
2015	101.40	99.70	100.30	79.00	68.80	89.10	102.60	60.80	73.50	73.60	2.0	1.000
2016	103.40	101.70	102.30	80.50	70.20	90.90	104.60	62.00	74.90	75.00	2.0	1.000
2017	105.40	103.60	104.20	82.10	71.60	92.60	106.50	63.20	76.30	76.40	2.0	1.000
2018	107.60	105.80	106.40	83.80	73.00	94.60	108.80	64.50	77.90	78.10	2.0	1.000
2019	109.70	107.90	108.50	85.40	74.50	96.40	110.90	65.80	79.50	79.60	2.0	1.000
2020	111.90	110.00	110.70	87.20	76.00	98.30	113.20	67.10	81.10	81.20	2.0	1.000
2021	114.10	112.20	112.80	88.90	77.50	100.30	115.30	68.40	82.60	82.80	2.0	1.000
2022	116.40	114.50	115.10	90.70	79.00	102.30	117.70	69.80	84.30	84.50	2.0	1.000
2023	118.80	116.80	117.50	92.50	80.70	104.40	120.10	71.30	86.10	86.20	2.0	1.000
Thereafter	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	2.0	1.000

- 1) West Texas Intermediate at Cushing Oklahoma 40 degrees API 5% sulphur
- 2) North Sea Brent Blend 37 degrees API/1.0% sulphur
- 3) Edmonton Light Sweet 40 degrees API, 0.3% sulphur
- 4) Bow River at Hardisty Alberta (Heavy stream)
- 5) Heavy crude oil 12 degrees API at Hardisty Alberta (after deduction of blending costs to reach pipeline quality)
- 6) Midale Cromer crude oil 29 degrees API, 2.0% sulphur
- 7) NGL Mix based on 45 percent propane, 35% percent butane and 20 percent natural gasolines

SUMMARY OF NATURAL GAS PRICES FORECAST

Year	U.S.	Alberta	Alberta	Alberta	Alberta	Sask	Sask	British
	Henry Hub Gas Price \$/MMBtu	AECO Spot Price \$/MMBtu	Average Plantgate \$/MMBtu	Aggregator Prpane \$/MMBtu	Spot Sales Plategate \$/MMBtu	Prov Gas Plantgate \$/MMBtu	Spot Sales Plantgate \$/MMBtu	Comubia Average Plantgate \$/MMBtu
			(1)			(7)		
History								
2004	5.90	6.87	6.62	6.35	6.70	6.48	6.52	6.45
2005	8.60	8.58	8.43	8.48	8.42	8.35	8.58	8.12
2006	6.75	7.16	6.87	6.59	6.96	6.67	6.55	6.45
2007	6.95	6.65	6.41	6.35	6.43	6.18	6.45	6.25
2008	8.85	8.15	7.90	8.10	7.90	8.00	8.10	8.10
Forecast								
2009	7.25	7.40	7.20	7.20	7.20	7.40	7.40	7.20
2010	7.75	8.00	7.80	7.80	7.80	8.00	8.00	7.80
2011	8.60	8.45	8.25	8.25	8.25	8.45	8.45	8.25
2012	9.35	8.80	8.60	8.60	8.60	8.80	8.80	8.60
2013	10.10	9.05	8.85	8.85	8.85	9.05	9.05	8.85
2014	10.30	9.25	9.05	9.05	9.05	9.25	9.25	9.05
2015	10.50	9.45	9.20	9.20	9.20	9.45	9.45	9.20
2016	10.70	9.60	9.35	9.35	9.35	9.60	9.60	9.35
2017	10.90	9.80	9.55	9.55	9.55	9.80	9.80	9.55
2018	11.15	10.00	9.75	9.75	9.75	10.00	10.00	9.75
2019	11.35	10.20	9.95	9.95	9.95	10.20	10.20	9.95
2020	11.60	10.40	10.15	10.15	10.15	10.40	10.40	10.15
2021	11.80	10.60	10.35	10.35	10.35	10.60	10.60	10.35
2022	12.05	10.80	10.55	10.55	10.55	10.80	10.80	10.55
2023	12.30	11.05	10.80	10.80	10.80	11.05	11.05	10.80
Thereafter	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year	+2%/year

1) This forecast also applies to direct sales contracts and the Alberta gas reference price used in the crown royalties calculations.

PART 4

RECONCILIATIONS OF CHANGES IN RESERVES AND FUTURE NET REVENUE

The following table discloses the changes in Detector's Canadian reserves from last year's estimates (made effective as of December 31, 2007) as compared to the reserves estimates as of December 31, 2008 (summarized in the tables above) for the product types indicated in the following table and for the 3 reserve categories indicated in the following table. The reasons/explanations for the changes are categorized into the 8 categories indicated in the table. The table compares reserves for the 2 time periods using forecast prices and costs.

RECONCILIATION OF GROSS RESERVES BY PRINCIPAL PRODUCT TYPE FORECAST PRICES AND COSTS DECEMBER 31, 2008 COMPARED TO DECEMBER 31, 2007

	LIGHT AND MEDIUM OIL			NATURAL GAS LIQUIDS			ASSOCIATED AND NON-ASSOCIATED GAS		
	GROSS PROVED (Mbbbl)	GROSS PROBABLE (Mbbbl)	GROSS PROVED + GROSS PROBABLE (Mbbbl)	GROSS PROVED (Mbbbl)	GROSS PROBABLE (Mbbbl)	GROSS PROVED + GROSS PROBABLE (Mbbbl)	GROSS PROVED (MMcf)	GROSS PROBABLE (MMcf)	GROSS PROVED + GROSS PROBABLE (MMcf)
DECEMBER 31, 2007	16.6	8.1	24.7	12.9	7.6	20.6	792.5	415.9	1,208.3
Extensions	-	-	-	-	-	-	-	-	-
Improved Recovery	-	-	-	-	-	-	-	-	-
Technical Revisions	24.7	0.6	25.3	(8.8)	(6.7)	(15.5)	(413.7)	(243.5)	(657.2)
Economic Conditions	-	-	-	-	-	-	-	-	-
Discoveries	-	-	-	-	-	-	-	-	-
Acquisitions	-	-	-	-	-	-	-	-	-
Dispositions	-	-	-	-	-	-	-	-	-
Production	(8.5)	-	(8.5)	(0.6)	-	(0.6)	(51.1)	-	(51.1)
DECEMBER 31, 2008	32.8	8.7	41.4	3.5	0.9	4.4	327.7	172.4	500.1

PART 5

ADDITIONAL INFORMATION RELATING TO RESERVES DATA

UNDEVELOPED RESERVES

History of Attribution of Undeveloped Reserves

Detector Exploration Ltd. has no proved or probable undeveloped reserves assigned to the Company. All Detector's activity is a result of farmins on third party lands and all have been assigned reserves.

The following table provides information regarding the timing of attribution of volumes of estimated undeveloped reserves (both for proved undeveloped and probable undeveloped) by Detector for each of the product types that Detector has interests in as of December 31, 2008, for each of the years indicated in the table.

**HISTORY OF ATTRIBUTION OF UNDEVELOPED OIL AND GAS RESERVES
2004 - 2008**

YEAR	LIGHT AND MEDIUM OIL		HEAVY OIL		NATURAL GAS		NATURAL GAS LIQUIDS	
	First Attributed	Cumulative at Year End	First Attributed	Cumulative at Year End	First Attributed	Cumulative at Year End	First Attributed	Cumulative at Year End
PROVED UNDEVELOPED RESERVES								
Attributed at								
December 31, 2004	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2005	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2006	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2007	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2008	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PROBABLE UNDEVELOPED RESERVES								
Attributed at								
December 31, 2004	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2005	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2006	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2007	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2008	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

SIGNIFICANT FACTORS OR UNCERTAINTIES

The production rates, Oil and Gas reserves and cash flow information contained in the McDaniel & Associates Consultants Ltd. Report are only estimates and the actual production and ultimate reserves may be greater or less than the estimates prepared by Reliance. Factors, consideration and assumptions that the independent evaluator used to develop these estimates include, but are not limited to:

- : Historical production;
- : Government regulation;
- : Assumptions regarding commodity prices, production, development costs, taxes and capital expenditures;
- : Timing of capital expenditures;
- : Effectiveness of enhanced recovery schemes;
- : Marketability of production;
- : Operating costs and royalties;
- : Initial production rates;
- : Production decline rates;
- : Ultimate recovery of reserves: and
- : Future oil and gas prices.

FUTURE DEVELOPMENT COSTS

The Corporation's source of funding for future development costs of the Corporation's reserves will be derived from a combination of cash flow, debt and new equity. Management of the Corporation does not anticipate that the costs of funding referred to above will materially affect the Corporation's disclosed reserves and future net revenues or will make the development of any of the Corporation's properties uneconomic.

The Corporation's petroleum and natural gas investing activities have been funded to date primarily through the issuance of common shares and expects that it will continue to be able to utilize this source of financing until it develops additional cash flow from operations.

For additional information regarding the future development of the Corporation's properties, see Part 6 – Oil and Gas Properties and Wells.

The following table details the development costs deducted in the estimation of future net revenue attributable to proved reserves of the Corporation (estimated and forecast prices and costs) and proved plus probable reserves of the Corporation (estimated using forecast prices and costs and constant prices and costs):

**FUTURE CAPITAL COSTS
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL RESERVES**

	TOTAL PROVED		TOTAL PROVED PLUS PROBABLE	
	Undiscounted	Discounted @ 10%	Undiscounted	Discounted @ 10%
	(M\$)	(M\$)	(M\$)	(M\$)
2009	55	52	124	118
2010	-	-	-	-
2011	-	-	-	-
2012	-	-	-	-
2013 forward	-	-	-	-
Total	55	52	124	118

ABANDONMENT AND RECLAMATION COSTS

Additional Information Concerning Abandonment and Reclamation Costs

The Corporation bases its estimates for the costs of abandonment and reclamation of surface leases, wells, facilities and pipelines on previous experience of management with similar well sites and facility locations. As at December 31, 2008, management does not expect any abandonment in 2009. The Corporation has gross working interest in 21 oil and gas wells and net working interest of 5.8 net wells that Detector is responsible for the abandonment expenses.

**ABANDONMENT COSTS
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL RESERVES**

	TOTAL PROVED		TOTAL PROVED PLUS PROBABLE	
	Undiscounted	Discounted	Undiscounted	Discounted
	(M\$)	@ 10% (M\$)	(M\$)	@ 10% (M\$)
2009	-	-	-	-
2010	63	54	48	42
2011	27	21	27	21
2012	-	-	-	-
2013	17	11	17	11
2014	3	2	3	2
2015	24	13	-	-
2016	40	20	-	-
2017	-	-	57	26
2018	53	21	9	4
2019	-	-	34	12
2020	17	6	38	13
2021	-	-	14	4
2022	-	-	-	-
2023	4	1	4	1
Remaining	-	-	4	1
Total	247	149	255	136

PART 6

OTHER OIL AND GAS INFORMATION

Producing and Non-Producing Wells

The following table summarizes Detector's interests as at December 31, 2008 in producing wells and in non-producing wells which Detector believes are capable of producing oil or gas or both. The stated interests are working interests on an "after payout" basis and, in certain cases, are subject to lessor's and other royalties, in addition to usual Crown royalties or mineral taxes. "After payout" refers to that point in time following recovery of capital costs by industry partners. All wells are "onshore" unless specifically identified as "offshore".

OIL AND GAS WELLS

AREA	Oil Wells		Gas Wells		Non-Producing			
	Gross	Net	Gross	Net	Shut In Oil Wells		Shut In Gas Wells	
					Gross	Net	Gross	Net
Alberta (all wells)	6.00	1.47	8.00	0.93	4.00	0.89	9.00	2.80
Average Working Interest	24.50%		11.60%		22.10%		31.00%	

Production Forecasts

The following table represents the estimated ten year production volumes for the Corporation's interest as at December 31, 2008 for total proved reserves and total proved plus probable reserves.

TEN YEAR PRODUCTION FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008 TOTAL PROVED AND PROBABLE RESERVES

YEAR	PROVED RESERVES			PROVED PLUS PROBABLE RESERVES		
	OIL PRODUCTION (Mbbbl)	GAS PRODUCTION (MMcf)	NGL PRODUCTION (Mbbbl)	OIL PRODUCTION (Mbbbl)	GAS PRODUCTION (MMcf)	NGL PRODUCTION (Mbbbl)
	2009	8.1	88.6	1.0	8.2	114.0
2010	6.7	87.3	0.8	7.1	120.0	0.8
2011	5.3	62.3	0.6	5.9	89.6	0.7
2012	4.6	45.8	0.5	5.1	68.7	0.6
2013	3.1	33.9	0.4	4.5	53.4	0.5
2014	1.8	24.7	0.3	3.6	41.8	0.4
2015	1.5	15.0	0.3	2.3	31.8	0.3
2016	1.1	10.4	0.2	1.5	22.9	0.3
2017	0.2	5.6	0.1	1.4	14.0	0.2
2018	0.2	2.8	0.1	0.6	7.4	0.2
SUBTOTAL	32.5	376.3	4.2	40.2	563.7	5.0
Remainder	0.3	-	-	1.2	11.1	0.3
TOTAL	32.8	376.3	4.2	41.4	574.8	5.3

The following table represents the estimated ten year revenue and expense for the Corporation's interest as at December 31, 2008 for total proved reserves.

**TEN YEAR REVENUE AND EXPENSES
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL PROVED RESERVES**

YEAR	GROSS REVENUE (M\$)	ENCUMBRANCE EXPENSES (M\$)	CAPITAL EXPENSE (M\$)	OPERATING EXPENSE (M\$)	ABANDONMENT EXPENSE (M\$)	NET REVENUE (M\$)
2009	1,177.7	140.8	54.5	323.4	-	659.0
2010	1,220.4	148.7	-	331.4	62.6	677.7
2011	980.3	99.3	-	284.7	27.1	569.2
2012	806.0	71.5	-	279.1	-	455.3
2013	604.5	52.5	-	219.7	17.2	315.2
2014	413.1	37.3	-	132.1	3.3	240.4
2015	298.4	24.8	-	103.2	24.1	146.4
2016	223.9	17.7	-	80.3	40.0	86.0
2017	88.3	8.2	-	24.5	-	55.6
2018	52.9	2.5	-	9.8	52.7	(12.2)
SUBTOTAL	5,865.6	603.4	54.5	1,788.2	227.0	3,192.5
Remainder	26.4	3.0	-	14.0	20.3	(10.9)
TOTAL	5,892.0	606.4	54.5	1,802.2	2,247.3	3,181.6

Remaining Reserves and Present Worth Values

The following table presents the remaining reserves and present worth values for forecast prices and costs, by property:

RESERVE AND NET PRESENT VALUE BY PROPERTY FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008 TOTAL PROVED RESERVES

		Average Company Interest (%)	Company WI and RI Reserves			Net Present Value Before Tax		
			Gas MMcf	Oil Mbbbl	NGL Mbbbl	@ 5.0% (M\$)	@ 10.0% (M\$)	@ 15.0% (M\$)
ALBERTA								
Bow Island	RI	6.0000	9.2	-	-	65.6	59.2	54.0
Brazeau River	RI	5.2500	116.5	-	2.7	930.8	812.0	721.8
Leduc	-	-	-	-	-	(5.6)	(5.0)	(4.5)
Little Horse	WI	9.3750	-	5.8	-	187.4	160.1	139.6
Parkland	WI	8.8350	29.0	-	0.8	89.1	79.0	70.9
Pembina	WI	38.5940	161.9	-	-	554.1	505.0	462.2
Redwater	WI	51.0000	-	20.1	-	582.9	521.2	470.6
Ribstone	-	-	-	-	-	(14.2)	(12.9)	(11.9)
Rosevear	WI	35.0000	52.6	-	0.7	298.2	262.5	233.8
Wainwright	WI	40.0000	-	6.6	-	65.0	62.2	59.2
Westerose	WI	20.0000	3.8	0.3	-	10.8	11.1	11.1
	RI	1.3130	0.2	-	-	1.8	1.6	1.6
Westlock	RI	15.0000	3.1	-	-	22.0	20.5	19.3
Total			376.3	32.8	4.2	2,787.9	2,477.2	2,227.7

RI Royalty Interest
WI Working Interest

The following table sets forth the estimates of the Corporation's estimated of proved plus probable reserves and present values, by property, at forecast prices and costs:

**RESERVES & NET PRESENT VALUE BY PROPERTY
FORECAST PRICES AND COSTS AS OF DECEMBER 31, 2008
TOTAL PROVED PLUS PROBABLE RESERVES**

		Average Company Interest (%)	Company WI and RI Reserves			Net Present Value Before Tax		
			Gas	Oil	NGL	@ 5.0%	@ 10.0%	@ 15.0%
			MMcf	Mbbl	Mbbl	(M\$)	(M\$)	(M\$)
ALBERTA								
Bow Island	RI	6.0000	10.8	-	-	75.5	67.1	60.4
Brazeau River	RI	5.2500	145.5	-	3.4	1,237.2	1,049.7	911.8
Leduc	-	-	-	-	-	(5.6)	(5.0)	(4.5)
Little Horse	WI	9.3750	-	7.9	-	251.4	204.8	172.3
Parkland	WI	8.8350	37.7	-	1.0	113.3	97.4	85.2
Pembina	WI	38.5940	311.9	-	-	1,224.7	1,085.8	970.8
Redwater	WI	51.0000	-	24.5	-	719.4	628.7	556.9
Ribstone	-	-	-	-	-	(14.2)	(12.9)	(11.9)
Rosevear	WI	35.0000	60.1	-	0.8	339.3	293.3	257.5
Wainwright	WI	40.0000	-	8.6	-	95.6	88.3	81.7
Westerose	WI	20.0000	5.1	0.4	-	17.8	17.4	16.8
	RI	1.3130	0.3	-	-	2.3	2.0	1.8
Westlock	RI	15.0000	3.7	-	-	26.6	24.5	22.7
Total			574.8	41.4	5.2	4,083.1	3,541.1	3,121.5

RI Royalty Interest
WI Working Interest

Oil and Gas Properties

The following descriptions are applicable to the Company properties as at December 31, 2008.

Redwater / Bruderheim, Alberta

The Redwater farm that Detector aggressively pursued in 2006 proved to be uneconomic. Fortunately Detector was able to find a suitor who was still interested in the area and prospect and in March 2007, Detector disposed of its Redwater interests. In so doing Detector minimized its losses which could have had very negative impact on Detector's future progress. Detector still has oil production from two oil wells at Bruderheim which is adjacent to Redwater.

During 2008, Detector participated in the drilling of two wells in Bruderheim area. The first well was drilled and cased in the second quarter and the Corporation's working interest in this well is 25%. The second well located at 15-36-55-21W4M was drilled and completed in the third quarter of 2008 and the Corporation's working interest is 12.5%.

The Corporation has the following working interests in the Redwater area:

<u>LOCATION</u>	<u>INTEREST</u> (%)	<u>EMCUMBRANCES</u>
01-24-55-21W4M	52.0000	AB New Crown to 2009
02-24-55-21W4M	52.0000	AB New Crown to 2009
02-36-55-21W4M	25.0000	AB New Crown to 2009
15-36-55-21W4M	12.5000	AB New Crown to 2009

Pembina, Alberta

During 2008, the Corporation acquired a well located at 11-13-49-07W5M and built a pipeline to 03-24-49-07W5M in order to place the well back on production. The Pembina 03-24 well was placed on production October 22, 2008 and produced until mid-December, 2008 at rates of approximately 150 Mcf/day at which time the well was bumped from the facility due to a lack of capacity. A new well located at 01-13-49-07W5M was drilled and cased during the month of November, 2008.

A compressor site located at 15-08-49-06W5M, including a separator, dehydration and compressor, was installed and was ready for production mid October, 2008 to handle the Corporation's gas however, additional pipelining was required. As at December 31, 2008, pipelining construction which began late fall has been suspended prior to testing the line due to the Corporation receiving objections from a renter. The Corporation did complete a steel line from the compressor station to a metre station located at 10-02-49-06W5M and this line has been pressure tested.

The Corporation has the following working interests in the Pembina area:

LOCATION	WORKING INTEREST (%)	EMCUMBRANCES
14-17-49-06W5M	23.7500	AB Transition Crown
07-18-49-06W5M	44.5310	AB Transition Crown
01-13-49-07W5M	45.5240	AB Transition Crown
11-13-49-07W5M	47.5000	AB New Crown to 2009
11-13-49-07W5M/2	47.5000	AB New Crown to 2009
03-24-049-07W5M	47.5000	AB Transition Crown; GORR - 6.650%

Little Horse, Alberta

During 2008, Detector drilled a Gilwood test at 11-11-77-12W5M and this well was abandoned. The Corporation sold and relinquished its working interest in a second Gilwood well located in the Little Horse area of Alberta.

The Corporation has the following working interests in the Little Horse area:

LOCATION	WORKING INTEREST (%)	EMCUMBRANCES
12-12-77-12W5M	10.0000	AB New Crown to 2009
07-14-77-12W5M	9.7500	AB New Crown to 2009
10-23-77-12W5M	9.0000	AB New Crown to 2009
15-24-77-12W5M	11.1110	AB New Crown to 2009; Sliding scale ORR (1.625-4.0625) Oil / Gas 4.0625

Hairy Hills, Alberta

During 2008, the Corporation drilled, perforated and tested seven horizons in the Hairy Hills 10-04-55-14W5M exploration well however it was found to be uneconomic and was abandoned. As of December 31, 2008 Detector has no interest pursuing the potential of this area.

Detector has the following working interests in the Rosevear area:

LOCATION	WORKING INTEREST (%)	EMCUMBRANCES
01-09-55-16W5M	50.0000	AB New Crown to 2009
01-09-55-16W5M/2	35.0000	AB New Crown to 2009

Royalty Interests

The Corporation has the following royalty interests:

AREA	ROYALTY INTEREST (%)	TYPE OF ROYALTY
Bow Island, AB	6.0000	Gross Overriding Royalty
Brazeau River, AB	5.2500	Gross Overriding Royalty
Westerose, AB	1.3130	Gross Overriding Royalty until payout, then the right to convert to a Working Interest
Westlock, AB	15.0000	Gross Overriding Royalty until payout, then the right to convert to a Working Interest

Land Holdings

The following table sets out Detector's land holdings in respect of which no reserves have been attributed, all of which are located in the province of Alberta.

LAND HOLDINGS DECEMBER 31, 2008				
GEOGRAPHIC AREA	GROSS ACRES	NET ACRES	WORK COMMITMENTS	NET ACRES - EXPIRING WITHIN ONE YEAR
Little Horse	2,080.0	300.0	None	96.0
Tomahawk	1,280.0	1,280.0	None	None
Brazeau	640.0	48.0	None	None
Morinville	1,847.0	1,108.0	None	724.0
Other	4,440.0	2,749.0	None	None
TOTAL	10,287.0	5,485.0		820.0

Expiring Rights

Detector has 880 net acres of lands that may expire in 2008 if they are not farmed out or drilled during the year. The majority of the expiries are non-core areas where farm-out attempts were unsuccessful to date.

Exploration and Development Activities

For the year ended December 31, 2008 the Corporation completed the following exploratory and development wells:

	EXPLORATORY AND DEVELOPMENT ACTIVITIES		YEAR ENDED DECEMBER 31, 2008	
	<u>Exploratory wells</u>		<u>Development wells</u>	
	Gross	Net	Gross	Net
Oil	Nil	Nil	2.000	0.375
Gas	Nil	Nil	2.000	0.900
Service	Nil	Nil	Nil	Nil
Dry	2.000	0.350	Nil	Nil
Total	2.000	0.350	4.000	1.275

The Corporation's most important current and likely exploration and development activities are described under "Oil and Gas Properties".

Petroleum and Natural Gas Interest – Summary of Costs Incurred

The following table sets out Detector's property acquisition costs, exploration costs and development costs for the year ended December 31, 2008. This table includes all costs irrespective of whether such costs were capitalized or charged to expense.

	Total
Balance - December 31, 2007	\$ 883,488
Acquisition costs	1,199
Land	6,809
Mineral leases	-
Deferred costs:	
Drilling costs	576,174
Completion costs	133,377
Geophysical services	-
Surface location costs	-
Cost recoveries	-
Asset retirement obligations	(38,639)
Production equipment	996,061
Royalties received	(205,337)
Balance - December 31, 2008	\$ 2,353,132

Forward Contracts

Detector Exploration Ltd. may use certain derivative financial instruments to manage its commodity prices. These financial instruments are entered into solely for hedging purposes and are not used for trading or other speculative purposes. At December 31, 2008 there were no contracts or options outstanding.

Tax Horizon

As at December 31, 2008 the Corporation has the following exploration and development expenditures and undepreciated capital costs which may be carried forward indefinitely to reduce future Canadian taxable income.

	Amount	Rate
Canadian exploration expense	\$ 948,280	100.0%
Canadian development expense	369,658	30.0%
Canadian oil and gas property expense	28,523	10.0%
Undepreciated capital costs	1,300,516	25.0%

PRODUCTION HISTORY

Average Daily Production Volumes and Netbacks (By Quarter)

The following table sets out Detector's actual average daily production volumes for Canada for the product types indicated below along with the corresponding average sales price, average royalties paid and average netback received (by quarter for the year ended December 31, 2008).

Field Netback Summary

	2008			
	Q4	Q3	Q2	Q1
\$/BOE				
Revenue	\$ 55.97	\$ 69.39	\$ 96.07	\$ 75.91
Royalties	\$ (4.69)	\$ (4.11)	\$ (4.70)	\$ (6.18)
Operating Expense	\$ (14.95)	\$ (13.03)	\$ (23.67)	\$ (18.00)
Field Netback	\$ 36.33	\$ 52.25	\$ 67.70	\$ 51.73

Average Daily Production

	2008			
	Q4	Q3	Q2	Q1
Average Daily Production				
Oil and NGL (bbls per day)	25	24	23	28
Natural gas (Mcf per day)	175	180	73	84
Barrels of oil equivalent (boe per day)	54	63	35	42

Average Selling Price

	2008			
	Q4	Q3	Q2	Q1
Oil and NGL (\$ per bbl)	\$ 65.48	\$ 111.21	\$ 116.39	\$ 88.91
Natural gas (\$ per Mcf)	\$ 6.44	\$ 7.31	\$ 11.33	\$ 8.37
Barrels of oil equivalent (\$ per boe)	\$ 55.97	\$ 69.39	\$ 99.71	\$ 75.91

April 13, 2009

Detector Exploration Ltd.
650, 520 – 5th Avenue SW
Calgary, Alberta
T2P 3R7

Attention: The Board of Directors of Detector Exploration Ltd.

Re: **Form 51-101F2**
Report on Reserves Data by an Independent Qualified Reserves Evaluator
of Detector Exploration Ltd. (the “Company”)

To the Board of Directors of Detector Exploration Ltd. (the “Company”):

1. We have evaluated the Company’s reserves data as at December 31, 2008. The reserves data are estimates of proved reserves and probable reserves and related future net revenue as at December 31, 2008 estimated using forecast prices and costs.
2. The reserves data are the responsibility of the Company’s management. Our responsibility is to express an opinion on the reserves data based on our evaluation.

We carried out our evaluation in accordance with standards set out in the Canadian Oil and Gas Evaluation Handbook (the “COGE Handbook”) prepared jointly by the Society of Petroleum Evaluation Engineers (Calgary Chapter) and the Canadian Institute of Mining, Metallurgy & Petroleum (Petroleum Society).

3. Those standards require that we plan and perform an evaluation to obtain reasonable assurance as to whether the reserves data are free of material misstatement. An evaluation also includes assessing whether the reserves data are in accordance with principles and definitions presented in the COGE Handbook.
4. The following table sets forth the estimated future net revenue (before deduction of income taxes) attributed to proved plus probable reserves, estimated using forecast prices and costs and calculated using a discount rate of 10 percent, included in the reserves data of the Company evaluated by us, for the year ended December 31, 2008, and identifies the respective portions thereof that we have evaluated, audited and reviewed and reported on to the Company’s management:

Preparation Date of Evaluation Report	Location of Reserves	Net Present Value of Future Net Revenue \$M (before income taxes, 10% discount rate)			
		Audited	Evaluated	Reviewed	Total
April 13, 2009	Canada	-	3,541	-	3,541

5. In our opinion, the reserves data respectively evaluated by us have, in all material respects, been determined and are in accordance with the COGE Handbook. We express no opinion on the reserves data that we reviewed but did not audit or evaluate.
6. We have no responsibility to update our report referred to in paragraph 4 for events and circumstances occurring after the preparation date.
7. Because the reserves data are based on judgments regarding future events, actual results will vary and the variations may be material. However, any variations should be consistent with the fact that reserves are categorized according to the probability of their recovery.

Executed as to our report referred to above:

MCDANIEL & ASSOCIATES CONSULTANTS LTD.

“signed by P. A. Welch”

P. A. Welch, P. Eng.
President & Managing Director

Calgary, Alberta

DETECTOR EXPLORATION LTD.

**REPORT OF MANAGEMENT AND DIRECTORS
ON RESERVES DATA AND OTHER INFORMATION
(Complying with Form 51-101F3)**

Management of Detector Exploration Ltd. (the "**Corporation**") are responsible for the preparation and disclosure of information with respect to the Corporation's oil and gas activities in accordance with securities regulatory requirements. This information includes reserves data, which consist of the following:

- (a) (i) proved and proved plus probable oil and gas reserves estimated as at December 31, 2008 using forecast prices and costs; and
- (ii) the related estimated future net revenue; and
- (b) (i) proved and proved plus probable oil and gas reserves estimated as at December 31, 2008 using constant prices and costs; and
- (ii) the related estimated future net revenue.

An independent qualified reserves evaluator has evaluated the Corporation's reserves data. The report of the independent qualified reserves evaluators will be filed with securities regulatory authorities concurrently with this report.

The Board of Directors of the Corporation has:

- (a) reviewed the Corporation's procedures for providing information to the independent qualified reserves evaluator;
- (b) met with the independent qualified reserves evaluator to determine whether any restrictions affected the ability of the independent qualified reserves evaluator to report without reservation; and
- (c) reviewed the reserves data with management and the independent qualified reserves evaluators.

The board of directors has reviewed the Corporation's procedures for assembling and reporting other information associated with oil and gas activities and has reviewed that information with management. The board of directors has approved:

- (a) the content and filing with securities regulatory authorities of the reserves data and other oil and gas information;
- (b) the filing of the report of the independent qualified reserves evaluator on the reserves data; and
- (c) the content and filing of this report.

Because the reserves data are based on judgments regarding future events, actual results will vary and the variations may be material.

“signed by Ronald E. Alexander”
Ronald E. Alexander, Chief Executive Officer

“signed by Edward A. James”
Edward A. James, Director

“signed by Stephen N. Ewaskiw”
Stephen N. Ewaskiw, Director

“signed by Dennis L. Kolesar”
Dennis L. Kolesar, Director

DATED: April 22, 2009

