

**GEOCAN ENERGY INC. ANNOUNCES 2004 RESERVES REPORT.
RESERVES UP 67%, REPLACING 2004 PRODUCTION BY 302%**

CALGARY, March 16th, 2005

GEOCAN Energy Inc. (TSX:GCA) ("GEOCAN or the "Company") is pleased to announce that Sproule Associates Ltd., the independent reserves evaluators for the Company's oil and gas properties, has completed its evaluation report in accordance with National Instruments 51-101 for the year ended Dec. 31, 2004.

GEOCAN Energy Inc. releases the following highlights from Sproule report;

Highlights of the 2004 reserves report include the following.

- Total proved reserves increased 72% to 2,555,800 barrels of oil equivalent from 1,484,100 barrels of oil equivalent one year ago.
- Total proved plus probable reserves increased 67% to 4,031,200 barrels of oil equivalent from 2,414,200 barrels of oil equivalent one year ago.
- Reserve life index of 7.54 years based on 2004 average production of 1,465 boepd.
- Net present value of total proved plus probable reserves discounted at 10% (before income taxes) increased to \$40,896,000 from \$16,122,000 one year ago, up 151%
- NPV10% proven reserves valued at \$1.78/average 2004 basic share
- NPV10% proven plus probable reserves valued at \$2.48/average 2004 basic share
- Total proved plus probable reserves additions replaced 2004 production by 302% (reserves replacement ratio of 3.02 times)

GEOCAN's 79,066 gross (70,983 net) acres of Canadian undeveloped land was not assessed as part of this evaluation. Seventy three percent of this undeveloped land is located outside the Lloydminster area.

The following tables summarize certain information contained in this reserves report. More detailed reserves information, including information pertaining to reserves reconciliation, finding and development costs, and net asset value, is scheduled to be reported by March 31, 2005, in conjunction with the release of fiscal 2004 operating and audited financial results.

NET PRESENT VALUE OF RESERVES
(SUMMARY OF NET PRESENT VALUE OF FUTURE NET REVENUE AS AT
DEC. 31, 2004)

FORECAST PRICES AND COSTS BEFORE INCOME TAXES
(in thousands of dollars) (1)

Reserves category	Discounted at (% per year)			
	0%	5%	8%	10%
Proved				
Developed producing	\$ 30,107	\$ 27,644	\$ 26,399	\$ 25,648
Developed non-producing	3,890	3,010	2,614	2,390
Undeveloped	1,846	1,579	1,444	1,363
Total proved	35,843	32,233	30,457	29,401
Probable	18,395	14,272	12,485	11,494
Total proved plus probable	\$ 54,238	\$ 46,504	\$ 42,942	\$ 40,896

FORECAST PRICES AND COSTS
Oil equivalent (2)
(in thousands of barrels of oil equivalent)

Reserves category	Gross (3)	Net (4)
Proved		
Developed producing	2,058.5	1,758.2
Developed non-producing	363.5	327.1
Undeveloped	133.7	118.0
Total proved	2,555.8	2,203.2
Probable	1,475.4	1,284.2
Total proved plus probable	4,031.2	3,487.4

OIL AND GAS RESERVES AS AT DEC. 31,
2004
FORECAST PRICES AND COSTS
Heavy Oil
(in thousands of barrels)

Reserves category	Gross (3)	Net (4)
Proved		
Developed producing	1,588.5	1,386.3
Developed non-producing	349.9	315.2
Undeveloped	67.9	59.2
Total proved	2,006.3	1,760.7
Probable	1,225.0	1,084.8
Total proved plus probable	3,231.3	2,845.5

FORECAST PRICES AND COSTS
Natural gas (5)
(in millions of cubic feet)

Reserves category	Gross (3)	Net (4)
Proved		
Developed producing	1,828.0	1,417.0
Developed non-producing	81.0	71.0
Undeveloped	181.0	162.0
Total proved	2,090.0	1,650.0
Probable	1,083.0	847.0
Total proved plus probable	3,173.0	2,497.0

OIL AND GAS RESERVES AS AT DEC. 31,
2004
FORECAST PRICES AND COSTS
Light and medium crude oil (6)
(in thousands of barrels)

Reserves category	Gross (3)	Net (4)
Proved		
Developed producing	165.6	135.7
Developed non-producing	-	-
Undeveloped	35.6	31.8
Total proved	201.2	167.5
Probable	69.9	58.2
Total proved plus probable	271.1	225.7

Notes:

1. Due to rounding, certain totals may not be consistent from one presentation to the next.
2. Barrels of oil equivalents may be misleading, particularly if used in isolation. A barrel-of-oil-equivalent conversion ratio of 6,000 cubic feet of natural gas to one barrel of oil is based on an energy equivalency conversion method primarily applicable at the burner tip and does not represent a value equivalency at the wellhead.
3. Gross reserves means the total working and royalty interest share of remaining recoverable reserves owned by GEOCAN before deductions of royalties payable to others.
4. Net reserves means GEOCAN's gross reserves less all royalties payable to others.
5. Natural gas volumes includes solution gas.
6. Light and medium oil includes natural gas liquid volumes.

Performance Ratios

	Total Proved	Proved + Probable
Reserves Life Index (Years) 2004 average production of 1,465 boepd	4.8	7.5
Reserve Replacement Ratio 2004 average production of 1,465 boepd	2.0	3.0
Reserves Value (NPV 10%)/Average Basic Share	\$ 1.78	\$ 2.48

SPROULE DEC. 31, 2004, PRICE FORECAST

Year	Hardisty		
	WTI	Edmonton heavy	
	cushing US\$/barrel	par price C\$/barrel	12 API C\$/barrel
2005	44.29	51.25	28.91
2006	41.60	48.03	28.12
2007	37.09	42.64	26.19
2008	33.46	38.31	25.06
2009	31.84	36.36	23.60
2010	32.32	36.91	24.12
2011	32.80	37.47	24.64
2012	33.30	38.03	25.17

SPROULE DEC. 31, 2004, PRICE FORECAST

Year	AECO	Inflation	Exchange
	C-SPOT C\$/Mmbtu	rate 5/year	rate \$US/\$CDN
2005	6.97	2.5	0.840
2006	6.66	2.5	0.840
2007	6.21	2.5	0.840
2008	5.73	2.5	0.840
2009	5.37	1.5	0.840
2010	5.47	1.5	0.840
2011	5.57	1.5	0.840
2012	5.67	1.5	0.840

GEOCAN is a Canadian oil and natural gas exploration and production company and trades on the Toronto Stock Exchange (TSX) under the symbol "GCA" and currently has 23,948,473 common shares issued and outstanding. For further information: Garry W. Lohuis, Vice President Operations or Brad J.S. Farris, Chief Financial Officer, GEOCAN Energy Inc., Telephone: (403) 261-3851, Fax: (403) 261-3834, email: glohuis@geocan.com, Website: www.geocan.com.