

GRYPHON GOLD CORP  
Form 424B3  
August 28, 2006  
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Filed pursuant to Rule 424(b)(3)  
File No. 333-13596

Prospectus Supplement No. 2  
(To Prospectus dated April 9, 2006)

GRYPHON GOLD CORPORATION

21,525,685 shares of common stock

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This prospectus supplement supplements the Prospectus dated April 9, 2006, relating to the sale, transfer or distribution of up to of 21,525,685 shares of our common stock. This prospectus supplement should be read in conjunction with the Prospectus.

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Current Report on Form 8-K

On August 18, 2006, we filed with the Securities and Exchange Commission the attached Current Report on Form 8-K. The text of the 8-K is attached hereto.

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Investing in our common stock involves a high degree of risk.  
See Risk Factors beginning on page 6 of the Prospectus.

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Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed on the adequacy or accuracy of this prospectus supplement. Any representation to the contrary is a criminal offense.

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The date of this prospectus supplement is August 28, 2006

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

Date of earliest event reported: August 17, 2006

**GRYPHON GOLD CORPORATION**

(Exact Name of Registrant as Specified in Charter)

**Nevada**  
(State or Other Jurisdiction  
of Incorporation)

**333-127635**  
(Commission File Number)

**92-0185596**  
(IRS Employer Identification No.)

**390 UNION BLVD, SUITE 360  
LAKEWOOD, CO 80228**  
(Address of Principal Executive Offices) (Zip Code)

**(303) 988-5777**  
(Registrant's Telephone Number, including Area Code)

**N/A**  
(Former name or address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 7.01. Regulation FD Disclosure**

On August 17, 2006, the Registrant released the press release filed herewith as Exhibit 99.1

The press release contains forward-looking statements within the meaning of the United States Private Securities Litigation Reform Act of 1995 including, without limitation, statements relating to Gryphon's strategies, goals and objectives at the Borealis project and the expected results of exploration work. Forward looking statements are statements that are not historical facts and are generally but not always, identified by words such as expects, plans, anticipates, believes, intends, estimates, projects, potential, goal, objective, strategy, or variations thereof. Expressions or statements that events or conditions will, would, may, could, or should occur.

Forward-looking statements are subject to a variety of risks and uncertainties which could cause actual events or results to differ materially from those reflected in the forward-looking statements, including, without limitation, risks related to fluctuations in gold prices; uncertainties related to raising sufficient financing in a timely manner and on acceptable terms to fund the planned work; changes in planned work resulting from weather, logistical, technical or other factors; the possibility that results of work will not fulfill expectations and realize the perceived potential of the Company's properties, and that commercially viable deposits may not be identified; uncertainties involved in the interpretation of drilling results and other tests and the estimation of gold reserves and resources; the possibility that required permits may not be obtained on a timely manner or at all; the possibility that capital and operating costs may be higher than currently estimated and may preclude commercial development or render operations uneconomic; the possibility that the estimated recovery rates may not be achieved; risk of accidents, equipment breakdowns and labor disputes or other unanticipated difficulties or interruptions; the possibility of cost overruns or unanticipated expenses in work programs or mine closures; the risk of environmental contamination or damage resulting from Gryphon's operations and other risks and uncertainties, including those described in this press release and the attached disclosure and in the Gryphon's Annual Report on Form 10-KSB for the year ended March 31, 2006, Quarterly Reports on Form 10-QSB, and Reports on Form 8-K filed with the Securities and Exchange Commission.

Forward-looking statements are based on the beliefs, estimates and opinions of Gryphon's management on the date the statements are made. Gryphon undertakes no obligation to update these forward-looking statements if management's beliefs, estimates or opinions, or other factors, should change.

All resource estimates reported in this disclosure are calculated in accordance with Proposed National Instrument 43-101 and the Canadian Institute of Mining and Metallurgy Classification system. These standards differ significantly from the requirements of the United States Securities and Exchange Commission, and resource information reported in this disclosure may not be comparable to similar information reported by United States companies. The terms Resource(s) and Reserve(s) normally may not be included in documents filed with the Securities and Exchange Commission or are referred to as mineralization(s) or mineral deposit(s).

**Item 9.01. Financial Statements and Exhibits**

(c) Exhibits.

**Exhibit Description**

99.1 Press Release dated August 17, 2006

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**Gryphon Gold Corporation**  
(Registrant)

Dated: August 18, 2006

By: /s/ Michael Longinotti  
Michael Longinotti  
Chief Financial Officer

**EXHIBIT INDEX**

**Exhibit Description**

99.1 Press Release dated August 17, 2006

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**August 17, 2006**

**Gryphon's Borealis Feasibility Study Completed;  
Company to Advance Gold Resources to Production**

Denver, CO and Vancouver, B.C. **Gryphon Gold Corporation (GGN:TSX / GYPH:OTC.BB)** today announced that the Company is in receipt of a positive feasibility study regarding the heap leachable resources of its fully permitted Borealis Gold Property, located 12 miles southwest of Hawthorne, Nevada. Based upon these results, the Company has decided to place these heap leach resources into production.

The study, conducted by Samuel Engineering, Inc., is focused on an open pit mine with two-stage crushing and conventional carbon adsorption extraction through a 7,300 metric tonnes per day heap leach operation. It represents an unoptimized, technically feasible design for the leachable gold deposit.

The results of the base case model uses a gold price of US\$475 per ounce and a silver price of US\$7.92/oz (60:1), allows for all taxes and a 100-per-cent equity financing of the development budget. The base case details are:

Nominal annual production of 58,000 ounces of gold and 546,000 ounces of silver (67,000 ounces/yr gold equivalent)

Initial capital cost of US\$15.4 million, of which US\$9.2 million is fixed assets and infrastructure, US\$4.2 million is bonding and US\$2 million working capital

Cash operating cost, net of silver credits, is \$264 per ounce of gold

Initial mine life of 6 years

After-tax internal rate of return (IRR) of 31 percent

Crushing plant throughput of three million tonnes per year

Life of mine strip ratio: 1.4:1

Leach ore grade: 1.0 grams per tonne (g/t) gold and 18.5 grams per tonne (g/t) silver

**Decision, Optimization and Construction**

Based upon the base case results of this feasibility study the Company's directors have authorized management to proceed with the financing, optimization and construction of the heap leach mine on the Borealis property. As previously reported on June 26, 2006, key regulatory approvals required to place the Borealis gold resource into production have been received.

A preliminary assessment of the resources not included in mineral reserves indicates that the mine life may be extended to 8.5 years. The preliminary assessment includes inferred resources that are too uncertain to have economic considerations applied for them to be categorized as

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mineral reserves, but some of which are included within the limits of designed pits and will be mined. Additional drilling and sampling will be required to advance these inferred resources into a proven and probable reserve classification.

Completion of construction and the first gold pour is targeted within 8 months of securing the financing. The Company is in discussions with several financial institutions for a debt or combination debt/equity financing of the mine, and is also in negotiations with several contract miners for operation of the mining and crushing facilities. The cash flow from this mine is expected to fund the multi-year exploration programs required to fully assess this 27.5 square mile property, which hosts multiple-targets. It will also fund participation in other opportunities.

### Feasibility Study Data

The study estimates the open pit gold deposits presently contain proven and probable leachable reserves of 13.7 million metric tonnes containing approximately 433,500 ounces of gold and 8.2 million ounces of silver, using a gold price of US\$475 per ounce of gold and a silver price of US\$7.92 per ounce. Estimated

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total gold and silver recovery from the oxide deposits over a six year mine life will be approximately 297,000 ounces gold and 2.9 million ounces silver.

The base case contemplates an average production rate of 7,300 metric tonnes per day of heap leach material (amounts vary year to year). Life-of-mine strip ratio will be 1.4:1 with annual production averaging approximately 58,000 ounces of gold and 546,000 ounces of silver. The cutoff gold grade for both mineral reserves and mineral resources is 0.34g/t for in-place material and 0.21 g/t for previously mined and stockpiled material.

### Reserves and Resources of the Borealis Deposits

Mineral Reserves	Proven & Probable			
Heap Leach deposit	Tonnage (millions)	Grade g/t	Contained Ozs (millions)	Stripping Ratio (ore: waste)
Gold		1.0	0.43	
Silver		18.5	8.18	
	13.7			1.4:1
Mineral Resources	Measured & Indicated			Inferred
Heap Leach deposit (exclusive of reserves)	Tonnage (millions)	Grade g/t	Contained Ozs (millions)	Stripping Ratio (ore: waste)
Gold		0.6	0.37	0.37
Silver		9.8	6.65	9.10



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The Graben zone, one of seven targets identified to date, offers the potential of a substantial gold resource located near existing infrastructure and amenable to open pit, bulk-tonnage mining, if proven economic.

### Consulting Engineers

Gryphon Gold retained Samuel Engineering and other engineering contractors to develop the required technical information and complete a Feasibility Study for the Borealis Heap Leach Gold Project. Samuel Engineering and Knight Piesold prepared the process and infrastructure design and capital and operating cost estimates. Other consultants included Pincock Allen and Holt (mine planning and reserve estimating), Ore Reserves Engineering (mineral resource models), Knight Piesold (environmental and geotechnical engineering), John F. Abel P.E. (slope stability), Jeff Butwell, MS consulting metallurgical engineer (metallurgy) and McClelland Metallurgical Laboratories (metallurgical test work).

### Qualified Persons

Mr. Tom Reynolds P.E, of Samuel Engineering is the qualified person as defined by National Instrument 43-101 of the Canadian Securities Administrators and is solely responsible for the contents of the Feasibility Study. Mr. Jaye Pickarts P.E. (Knight Piesold) is the qualified person for the process design; Mr. Alan Noble P.E. (Ore Reserve Engineering) is the qualified person for the mineral resource modeling; Mr. Don Tschbrun (Pincock Allen and Holt) is the qualified person for mine planning and mineral reserve estimating.

An updated technical report completed August 16<sup>th</sup>, 2006 summarizing the Feasibility Study and meeting the requirements of NI 43-101 has been filed with the appropriate regulatory agencies and can be viewed on the Company's website at [www.gryphongold.com/i/pdf/NI43-101\\_BorealisGoldProject.pdf](http://www.gryphongold.com/i/pdf/NI43-101_BorealisGoldProject.pdf). Mr. Jaye Pickarts P.E. is the qualified person and principal author of the NI 43-101 technical report.

Gryphon Gold also announced that it has engaged Roth Investor Relations to assist the Company in its public recognition program activities in North America. The New Jersey based firm has concentrated on working with the mining industry for the past 20 years and will aid management in raising the Company's profile in the investment community.

Gryphon Gold is a Nevada corporation in the business of acquiring and developing gold properties in North America. Gryphon Gold's principal asset is the 27.5 square mile (1.33 million ounce Measured & Indicated) Borealis property located in the Walker Lane gold belt of western Nevada. At present the Company has 41 million shares outstanding with a net cash balance of US \$7.0 million at July 31<sup>st</sup>, 2006.

Full financial statements and securities filings are available on our website: [www.gryphongold.com](http://www.gryphongold.com) and [www.sec.gov](http://www.sec.gov) or [www.sedar.com](http://www.sedar.com). For further information contact: Tony Ker, Executive Vice President by ph: 604-261-2229, or email at [tker@gryphongold.com](mailto:tker@gryphongold.com) or Michelle/Larry Roth of Roth Investor Relations, Inc. at 732-792-2200

*This press release was reviewed by Matt R. Bender, MBA, P.E., Vice President of Gryphon Gold, a qualified person as defined by National Instrument 43-101 of the Canadian Securities Administrators. This press release contains forward-looking information which may include, but is not limited to, statements with respect to our planned exploration program. Such forward-looking statements reflect our current views with respect to future events and are subject to certain risks, uncertainties and assumptions, including, the risks and uncertainties outlined under the section titled Risk Factors and Uncertainties in our prospectus (available at [www.sedar.com](http://www.sedar.com)) and registration statement filed with the SEC (available at [www.sec.gov](http://www.sec.gov)). Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those anticipated, believed, estimated or expected. All mineral reserves and mineral resources have been estimated in accordance with the definition standards on mineral resources and mineral reserves of the Canadian Institute of Mining, Metallurgy and Petroleum; inferred mineral resources have not been included in the corresponding economic analyses in the Feasibility Study because they are considered too speculative geologically to have economic considerations applied to them that enable them to be categorized as mineral reserves. We do not undertake to update forward-looking statements.*