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IMA EXPLORATION INC
Form 6-K
April 06, 2006

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER
THE SECURITIES EXCHANGE ACT OF 1934

For the month of APRIL, 2006.

Commission File Number: 001-32558

IMA EXPLORATION INC.

(Translation of registrant's name into English)

#709 - 837 West Hastings Street, Vancouver, British Columbia, V6C 3N6, Canada

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports
under cover of Form 20-F or Form 40-F: FORM 20-F FORM 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as
permitted by Regulation S-T Rule 101(b)(1): _____

Indicate by check mark if the registrant is submitting the Form 6-K in paper as
permitted by Regulation S-T Rule 101(b)(7): _____

Indicate by check mark whether the registrant by furnishing the information
contained in this Form, is also thereby furnishing the information to the
Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.
YES NO

If "Yes" is marked, indicate below the file number assigned to the registrant in
connection with Rule 12g3-2(b): 82-_____

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 of the
undersigned, thereunto duly authorized.

IMA EXPLORATION INC.

Date: April 5, 2006

/s/ Joseph Grosso

Joseph Grosso,
President & CEO

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TSX Venture Exchange: IMR American Stock Exchange: IMR
Frankfurt & Berlin Exchanges: IMT (WKN 884971)

NEWS RELEASE - APRIL 5, 2006

PHASE IV DRILLING UPDATE FOR IMA'S NAVIDAD

IMA EXPLORATION INC. (IMR-AMEX, IMR-TSX.V) is pleased to announce results from 35 diamond drill holes at its Navidad Silver Project in Patagonia, Argentina, from the Phase IV drilling programs that commenced in January of 2006. Phase IV drilling to date has focused on further defining the Calcite NW and Calcite Hill deposits, as well as testing of several geological/geophysical targets away from the main mineralized trends.

Highlights of the drilling at Calcite NW include hole NV06-262 with 25.2 metres (m) averaging 146 grams/tonne (g/t) silver including a higher-grade section of 8.54m averaging 385 g/t silver, as well as NV06-264, which contained 28.4m averaging 127 g/t silver including 6.85m of 455 g/t silver (Table 1). At Calcite Hill hole NV06-272, on the northern limit of the known resource boundary, returned 9.86m averaging 401 g/t silver. The zone remains open towards the north at shallow depths.

A small area of Galena Hill has also been drilled on tight centres to allow calculation of the optimal drill spacing and to collect more material for metallurgical testing. As the Phase IV program continues drilling will also target: 1) the Esperanza Trend, 2) delineation of the high-grade mineralized zone at Loma de la Plata, which has only been tested by 5 drill holes to date (News Release 24, October 13, 2005), and 3) initial testing of other targets located along the 8km Argenta Trend.

As expected, infill drilling at Galena Hill produced long intercepts of silver and lead mineralization. An example of one of the Galena Hill infill holes is NV06-275, with 120m containing 218 g/t silver and 4.8 percent (%) lead with a higher-grade, upper-part of 27.8m, starting at just 33m depth, that contains 539 g/t silver and 9.3 % lead. Similarly, hole NV06-279 produced 156.8 m averaging 121 g/t silver and 4.8 % lead including a higher-grade interval of 42m averaging 231 g/t silver and 10.2 % lead in its upper portion. For convenience, the silver equivalent values including lead have been shown in the table of results. In many cases the lead accounts for as much as half of the potential metal value at Galena Hill (see formula in the foot notes of table for details of the calculation method).

Galena Hill infill drilling will determine the optimal drill spacing and orientation required to upgrade the resource from the indicated to the measured category. The holes released represent three section lines of five holes each with spacing between the hole collars and lines of 25m. All of the holes were

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drilled towards grid north at -75 degrees. Additional infill holes will be drilled oriented -75 degrees grid south on intermediate section lines at 25m collar spacing, thereby reducing the section lines spacing to 12.5m. Prior drilling was done at a section spacing of roughly 80 metres with holes spaced at approximately 60 metres.

The results of holes released represent 6,633 metres of drilling of the more than 9,000 metres already drilled in 2006, bringing the life of the project total to over 50,000 metres. Reconnaissance drilling included 4 holes drilled between the Esperanza and Argenta trends. Drilling at Calcite NW included 14 holes, while drilling at Calcite Hill included 2 holes. An infill-drilling program at Galena Hill comprised 15 holes. The drill is currently working on the Esperanza Trend.

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An updated summary of collar locations and hole orientations and lengths is available on IMA's website (WWW.IMAEXPLORATION.COM), as is a summary of IMA's rigorous, quality-control and quality-assurance procedures. Dr. Paul Lhotka is IMA's "Qualified Person" at the Navidad project and has supervised all aspects of the current technical program and has reviewed the contents of this release.

ON BEHALF OF THE BOARD

/s/ Joseph Grosso

Mr. Joseph Grosso, President & CEO

For further information please contact Joseph Grosso, President & CEO, or Sean Hurd, Vice President, Investor Relations, at 1-800-901-0058 or 604-687-1828, or fax 604-687-1858, or by email info@imaexploration.com, or visit the Company's web site at <http://www.imaexploration.com>.

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or the accuracy of this release.

CAUTIONARY NOTE TO US INVESTORS:

This news release may contain information about adjacent properties on which we have no right to explore or mine. We advise U.S. investors that the SEC's mining guidelines strictly prohibit information of this type in documents filed with the SEC. U.S. investors are cautioned that mineral deposits on adjacent properties are not indicative of mineral deposits on our properties. This news release may contain forward-looking statements including but not limited to comments regarding the timing and content of upcoming work programs, geological interpretations, receipt of property titles, potential mineral recovery processes, etc. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Actual results may differ materially from those currently anticipated in such statements.

TABLE 1. PHASE IV DRILL RESULTS

COMPOSITE

(LWA) 2

(LWA) 2

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| DRILL HOLE | LOCATION | FROM (metres) | TO (metres) | LENGTH (metres) ¹ | Silver (g/t) | Lead (%) |
|------------------------------|------------|-------------------------|-------------------------|---------------------------------|-----------------|----------------------|
| NV06-252 and | recce | 161.00 252.53 | 163.39 256.89 | 2.39 4.36 | 27 39 | 0.00 0.60 |
| NV06-253 | recce | 418.79 | 423.91 | 5.12 | 21 | 0.34 |
| NV06-254 | recce | none | | | | |
| NV06-255 including and | Calcite NW | 59.30 59.30 67.70 | 69.25 62.00 69.25 | 9.95 2.70 1.55 | 19 36 38 | 1.23 1.48 4.45 |
| NV06-256 including and | Calcite NW | 60.57 60.57 66.06 | 68.36 63.47 68.36 | 7.79 2.90 2.30 | 23 28 38 | 1.76 2.06 3.07 |
| NV06-257 | Calcite NW | 33.32 | 34.85 | 1.53 | 37 | 2.38 |
| NV06-258 | Calcite NW | 51.54 | 53.64 | 2.10 | 35 | 2.99 |
| NV06-259 | Calcite NW | 71.00 | 76.54 | 5.54 | 53 | 1.89 |
| NV06-260 including | Calcite NW | 75.04 84.00 | 86.60 86.60 | 11.57 2.60 | 44 143 | 3.35 13.32 |
| NV06-261 | Calcite NW | 53.50 | 64.54 | 11.04 | 147 | 0.70 |

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| DRILL HOLE | LOCATION | FROM (metres) | TO (metres) | COMPOSITE LENGTH (metres) ¹ | (LWA) ² Silver (g/t) | (LWA) ² Lead (%) |
|------------------------------------|------------|-------------------------|-------------------------|--|---------------------------------------|-----------------------------------|
| NV06-262 including | Calcite NW | 41.45 55.34 | 66.65 63.88 | 25.20 8.54 | 146 385 | 0.40 0.17 |
| NV06-263 including including | Calcite NW | 68.00 71.00 71.00 | 80.77 77.47 74.95 | 12.77 6.47 3.95 | 264 496 784 | 0.42 0.29 0.00 |
| NV06-264 including including | Calcite NW | 51.36 69.04 69.04 | 79.77 75.89 70.25 | 28.41 6.85 1.21 | 127 455 2208 | 0.35 0.01 0.13 |
| NV06-265 | Calcite NW | 50.85 | 63.10 | 12.25 | 80 | 0.69 |

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| | | | | | | | |
|-----------|--------------|--------|--------|--------|-----|-------|--|
| NV06-266 | recce | none | | | | | |
| NV06-267 | Calcite NW | 54.14 | 59.20 | 5.06 | 97 | 1.20 | |
| NV06-268 | Calcite NW | 42.77 | 56.79 | 14.02 | 160 | 0.45 | |
| NV06-269 | Calcite NW | 28.05 | 45.80 | 17.75 | 93 | 0.55 | |
| NV06-270 | Calcite Hill | 21.52 | 31.38 | 9.86 | 401 | 0.75 | |
| NV06-271 | Calcite Hill | 34.72 | 48.35 | 13.63 | 48 | 1.04 | |
| NV06-272 | Galena Hill | 27.06 | 154.17 | 127.11 | 129 | 3.40 | |
| including | | 27.06 | 93.01 | 65.95 | 208 | 4.85 | |
| NV06-273 | Galena Hill | 26.21 | 122.70 | 96.49 | 157 | 3.49 | |
| including | Galena Hill | 26.21 | 73.89 | 47.68 | 238 | 3.84 | |
| NV06-274 | Galena Hill | 6.88 | 107.71 | 100.83 | 119 | 1.44 | |
| including | | 29.46 | 68.72 | 39.26 | 221 | 1.48 | |
| NV06-275 | Galena Hill | 28.50 | 148.55 | 120.05 | 218 | 4.81 | |
| including | | 33.01 | 60.78 | 27.77 | 539 | 9.26 | |
| NV06-276 | Galena Hill | 38.00 | 137.66 | 99.66 | 210 | 4.02 | |
| including | | 38.00 | 91.60 | 53.60 | 247 | 4.52 | |
| NV06-277 | Galena Hill | 3.05 | 117.62 | 114.57 | 125 | 2.26 | |
| including | | 3.05 | 47.20 | 44.15 | 266 | 4.02 | |
| including | | 81.64 | 117.62 | 35.98 | 48 | 1.87 | |
| and | | 167.79 | 184.41 | 16.62 | 122 | 4.30 | |
| NV06-278 | Galena Hill | 31.18 | 135.80 | 104.62 | 154 | 4.17 | |
| including | | 31.18 | 75.27 | 44.09 | 290 | 5.58 | |
| NV06-279 | Galena Hill | 33.00 | 189.78 | 156.78 | 121 | 4.79 | |
| including | | 33.00 | 74.98 | 41.98 | 231 | 10.20 | |
| NV06-280 | Galena Hill | 44.40 | 162.72 | 118.32 | 149 | 5.41 | |
| including | | 50.40 | 90.38 | 39.98 | 190 | 6.82 | |
| NV06-281 | Galena Hill | 57.72 | 140.00 | 82.28 | 133 | 4.36 | |
| including | | 57.72 | 100.14 | 42.42 | 185 | 6.42 | |
| NV06-282 | Galena Hill | 11.30 | 189.67 | 178.37 | 124 | 3.07 | |
| including | | 11.30 | 89.30 | 78.00 | 225 | 4.96 | |
| including | | 177.90 | 189.67 | 11.77 | 200 | 3.44 | |

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COMPOSITE

(LWA) 2

(LWA) 2

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| DRILL HOLE | LOCATION | FROM (metres) | TO (metres) | LENGTH (metres) ¹ | Silver (g/t) | Lead (%) |
|------------|-------------|------------------|----------------|---------------------------------|-----------------|-------------|
| NV06-283 | Galena Hill | 27.87 | 123.01 | 95.14 | 161 | 3.91 |
| including | | 36.76 | 84.58 | 47.82 | 250 | 4.49 |
| and | | 170.91 | 188.77 | 17.86 | 110 | 2.00 |
| NV06-284 | Galena Hill | 48.79 | 177.02 | 128.23 | 151 | 4.61 |
| including | | 57.57 | 90.44 | 32.87 | 427 | 11.61 |
| NV06-285 | Galena Hill | 41.00 | 164.34 | 123.34 | 121 | 5.60 |
| including | | 47.00 | 77.70 | 30.70 | 192 | 8.75 |
| NV06-286 | Galena Hill | 44.90 | 133.47 | 88.57 | 71 | 2.14 |
| including | | 71.85 | 95.97 | 24.12 | 134 | 3.84 |

Notes:

1. True thickness has not been calculated for these holes.
2. All length weighted averages (LWA) are "uncut" i.e. have no grade capping.
3. Silver equivalent calculated using US\$6.00/oz silver and \$0.35/lb lead. (AgEq = Ag + (%Pb*10,000/250). No attempt has been made to adjust these relative values by accounting for metallurgical recoveries, as insufficient information is available to do so. This is the same method as used in the resource calculation release on February 16, 2006.
4. A complete list of all results to date is available on IMA's website (www.imaexploration.com).

[GRAPHIC OMITTED] [GRAPHIC OMITTED]

OMITTED GRAPHIC IS:

Map showing Results from New Drilling in 2006 at
Calcite NW and Calcite Hill
(not included in Feb 16, 2006 Resource Estimate)

Please visit the Company's website at: www.imaexploration.com to view.