

CORPORATE ACCESS NUMBER: 2011819105



BUSINESS CORPORATIONS ACT

**CERTIFICATE
OF
AMALGAMATION**

**BLUE GROUSE SEISMIC SOLUTIONS LTD.
IS THE RESULT OF AN AMALGAMATION FILED ON 2005/07/14.**



**Articles of Amalgamation
For
BLUE GROUSE SEISMIC SOLUTIONS LTD.**

Share Structure: SEE SCHEDULE "A" ATTACHED HERETO
Share Transfers Restrictions: NONE
Number of Directors:
Min Number of Directors: 3
Max Number of Directors: 11
Business Restricted To: N/A
Business Restricted From: N/A
Other Provisions: SEE SCHEDULE "B" ATTACHED HERETO

**Registration Authorized By: SCOTT D. KEARL
SOLICITOR**

SCHEDULE "A"

The authorized capital of the Corporation shall consist of:

- (i) an unlimited number of Common Shares;
- (ii) an unlimited number of First Preferred Shares, issuable in series; and
- (iii) an unlimited number of Second Preferred Shares, issuable in series;

which classes of shares, shall have attached thereto the rights, privileges, restrictions and conditions as set forth below:

Common Shares

The unlimited number of Common Shares shall have attached thereto the following rights, privileges, restrictions and conditions:

1. The holders of Common Shares shall be entitled to notice of, to attend and to vote at any meeting the shareholders of the Corporation (other than meetings of a class or series of shares of the Corporation other than the Common Shares as such) and to one vote per share on a ballot.
2. The holders of Common Shares shall be entitled to receive dividends as and when declared by the Board of Directors of the Corporation on the Common Shares as a class, subject to prior satisfaction of all preferential rights to dividends attached to all shares of other classes of shares of the Corporation ranking in priority to the Common Shares in respect of dividends.
3. The holders of Common Shares shall be entitled in the event of any liquidation, dissolution or winding-up of the Corporation, whether voluntary or involuntary, or any other distribution of the assets of the Corporation among its shareholders for the purpose of winding-up its affairs, and subject to prior satisfaction of all preferential rights to return of capital on dissolution attached to all shares of other classes of shares of the Corporation ranking in priority to the Common Shares in respect of return of capital on dissolution, to share rateably, together with the holders of shares of any class of shares of the Corporation ranking equally with the Common Shares in respect of return of capital, in such assets of the Corporation as are available for distribution.

First Preferred Shares

The unlimited number of First Preferred Shares shall have attached thereto the following rights, privileges, restrictions and conditions:

1. The First Preferred Shares may at any time or from time to time be issued in one or more series. Before any shares of a particular series are issued, the Directors of the Corporation shall, by resolution, fix the number of shares that will form such series and shall, subject to the limitations set out herein, by resolution fix the designation, rights, privileges, restrictions and conditions to be attached to the First Preferred Shares of such series, including, but without in any

way limiting or restricting the generality of the foregoing, the rate, amount or method of calculation of dividends thereon, the time and place of payment of dividends, the consideration for and the terms and conditions of any purchase for cancellation, retraction or redemption thereof, conversion or exchange rights (if any), and whether into or for securities of the Corporation or otherwise, the voting rights attached thereto (if any), the terms and conditions of any share purchase or retirement plan or sinking fund, and restrictions on the payment of dividends on any shares other than First Preferred Shares or payment in respect of capital on any shares in the capital of the Corporation or creation or issue of debt or equity securities; the whole subject to filing with the Registrar (as defined in the Business Corporations Act (Alberta) or successor legislation thereto) of Articles of Amendment setting forth a description of such series including the designation, rights, privileges, restrictions and conditions attached to the shares of such series.

2. Notwithstanding paragraph 1, the Directors of the Corporation may at any time or from time to time change the rights, privileges, restrictions and conditions attached to unissued shares of any series of First Preferred Shares, subject to filing with the Registrar (as defined in the Business Corporations Act (Alberta)) of Articles of Amendment setting forth the changes in rights, privileges, restrictions and conditions attached to the shares of such series.

3. The First Preferred Shares of each series shall rank on a parity with the First Preferred Shares of every other series with respect to accumulated dividends and return of capital. The First Preferred Shares shall be entitled to a preference over the Second Preferred Shares and the Common Shares and over any other shares of the Corporation ranking junior to the First Preferred Shares with respect to priority in the payment of dividends and in the distribution of assets in the event of the liquidation, dissolution or winding-up of the Corporation, whether voluntary or involuntary, or any other distribution of the assets of the Corporation among its shareholders for the purpose of winding-up its affairs. If any cumulative dividends or amounts payable on a return of capital are not paid in full, the First Preferred Shares of all series shall participate rateably in respect of such dividends, including accumulations, if any, in accordance with the sums that would be payable on such shares if all such dividends were declared and paid in full, and in respect of any repayment of capital in accordance with the sums that would be payable on such repayment of capital if all sums so payable were paid in full; provided, however, that in the event of there being insufficient assets to satisfy in full all such claims as aforesaid, the claims of the holders of the First Preferred Shares with respect to repayment of capital shall first be paid and satisfied and any assets remaining thereafter shall be applied towards the payment in satisfaction of claims in respect of dividends. The First Preferred Shares of any series may also be given such other preferences not inconsistent with paragraphs 1 through 5 hereof over the Second Preferred Shares and the Common Shares and any other shares ranking junior to the First Preferred Shares as may be determined in the case of each such series of First Preferred Shares.

4. The rights, privileges, restrictions and conditions attaching to the First Preferred Shares as a class may be added

to, changed or removed but only with the approval of the holders of the First Preferred Shares given as herein specified.

5. The rights, privileges, restrictions and conditions attaching to the First Preferred Shares as a class as provided herein and as may be provided from time to time may be repealed, altered, modified, amended or amplified or otherwise varied only with the sanction of the holders of the First Preferred Shares given in such manner as may then be required by law, subject to a minimum requirement that such approval be given by resolution passed by the affirmative vote of a least two-thirds of the votes cast at a meeting of holders of First Preferred Shares duly called for such purpose and held upon at least twenty-one (21) days' notice at which a quorum is present comprising at least two persons present, holding or representing by proxy at least twenty (20%) per cent of the outstanding First Preferred Shares. If any such quorum is not present within half an hour after the time appointed for the meeting, then the meeting shall be adjourned to a date being not less than fifteen (15) days later and at such time and place as may be appointed by the chairman and at such meeting a quorum will consist of that number of shareholders present in person or represented by proxy. The formalities to be observed with respect to the giving of notice of any such meeting or adjourned meeting and the conduct thereof shall be those which may from time to time be prescribed in the by laws of the Corporation with respect to meetings of shareholders. On every vote taken at every such meeting or adjourned meeting each holder of a First Preferred Share shall be entitled to one (1) vote in respect of each one (\$1) dollar of stated value of First Preferred Shares held.

Second Preferred Shares

The unlimited number of Second Preferred Shares shall have attached thereto the following rights, privileges, restrictions and conditions:

1. The Second Preferred Shares may at any time or from time to time be issued in one or more series. Before any shares of a particular series are issued, the Directors of the Corporation shall, by resolution, fix the number of shares that will form such series and shall, subject to the limitations set out herein, by resolution fix the designation, rights, privileges, restrictions and conditions to be attached to the Second Preferred Shares of such series, including, but without in any way limiting or restricting the generality of the foregoing, the rate, amount or method of calculation of dividends thereon, the time and place of payment of dividends, the consideration for and the terms and conditions of any purchase for cancellation, retraction or redemption thereof, conversion or exchange rights (if any), and whether into or for securities of the Corporation or otherwise, the voting rights attached thereto (if any), the terms and conditions of any share purchase or retirement plan or sinking fund, and restrictions on the payment of dividends on any shares other than Second Preferred Shares or payment in respect of capital on any shares in the capital of the Corporation or creation or issue of debt or equity securities; the whole subject to filing with the Registrar (as defined in the Business Corporations Act (Alberta) or successor legislation thereto) of Articles of Amendment setting forth a description of such series including the designation, rights, privileges, restrictions and conditions attached to the shares of such series.

2. Notwithstanding paragraph 1, the Directors of the Corporation may at any time or from time to time change the rights, privileges, restrictions and conditions attached to unissued shares of any series of Second Preferred Shares, subject to filing with the Registrar (as defined in the Business Corporations Act (Alberta)) of Articles of Amendment setting forth the changes in rights, privileges, restrictions and conditions attached to the shares of such series.

3. The Second Preferred Shares of each series shall rank on a parity with the Second Preferred Shares of every other series with respect to accumulated dividends and return of capital. The Second Preferred Shares shall be entitled to a preference over the Common Shares and over any other shares of the Corporation ranking junior to the Second Preferred Shares with respect to priority in the payment of dividends and in the distribution of assets in the event of the liquidation, dissolution or winding up of the Corporation, whether voluntary or involuntary, or any other distribution of the assets of the Corporation among its shareholders for the purpose of winding-up its affairs. If any cumulative dividends or amounts payable on a return of capital are not paid in full, the Second Preferred Shares of all series shall participate rateably in respect of such dividends, including accumulations, if any, in accordance with the sums that would be payable on such shares if all such dividends were declared and paid in full, and in respect of any repayment of capital in accordance with the sums that would be payable on such repayment of capital if all sums so payable were paid in full; provided, however, that in the event of there being insufficient assets to satisfy in full all such claims as aforesaid, the claims of the holders of the Second Preferred Shares with respect to repayment of capital shall first be paid and satisfied and any assets remaining thereafter shall be applied towards the payment in satisfaction of claims in respect of dividends. The Second Preferred Shares of any series may also be given such other preferences not inconsistent with paragraphs 1 through 5 hereof over the Common Shares, and any other shares ranking junior to the Second Preferred Shares as may be determined in the case of each such series of Second Preferred Shares.

4. The rights, privileges, restrictions and conditions attaching to the Second Preferred Shares as a class may be added to, changed or removed but only with the approval of the holders of the Second Preferred Shares given as herein specified.

5. The rights, privileges, restrictions and conditions attaching to the Second Preferred Shares as a class as provided herein and as may be provided from time to time may be repealed, altered, modified, amended or amplified or otherwise varied only with the sanction of the holders of the Second Preferred Shares given in such a manner as may then be required by law, subject to a minimum requirement that such approval be given by resolution passed by the affirmative vote of at least two-thirds of the votes cast at a meeting of holders of Second Preferred Shares duly called for such purpose and held upon at least twenty one (21) days' notice at which a quorum is present comprising at least two persons present, holding or representing by proxy at least twenty (20%) per cent of the outstanding Second Preferred Shares. If any such quorum is not present within half an hour after the time appointed for the meeting, then the meeting shall be adjourned to a date being not less

than fifteen (15) days later and at such time and place as may be appointed by the chairman and at such meeting a quorum will consist of that number of shareholders present in person or represented by proxy. The formalities to be observed with respect to the giving of notice of any such meeting or adjourned meeting and the conduct thereof shall be those which may from time to time be prescribed in the by-laws of the Corporation with respect to meetings of shareholders. On every vote taken at every such meeting or adjourned meeting each holder of a Second Preferred Share shall be entitled to one (1) vote in respect of each one (\$1) dollar of stated value of Second Preferred Shares held.

SCHEDULE "B"

1. Without authorization of the shareholders, the Directors of the Corporation may:

(a) borrow money on the credit of the Corporation;

(b) issue, reissue, sell or pledge debt obligations of the Corporation;

(c) subject to the Business Corporations Act (Alberta), give a guarantee on behalf of the Corporation to secure performance of an obligation to any person; and

(d) mortgage, hypothecate, pledge or otherwise create security interest in all or any property of the Corporation, owned or subsequently acquired, to secure any obligation of the Corporation.

2. The Directors may, by resolution, delegate the powers referred to in subsection (a) above, to a director, a committee of directors or an officer.

3. The Directors may, between annual general meetings, appoint one or more additional directors of the Corporation to serve until the next annual general meeting, but the number of additional directors shall not at any time exceed one third (1/3) of the number of directors who held office at the expiration of the last annual general meeting of the Corporation.

4. Meetings of the shareholders may be held at any place within Canada or any city in the United States.