

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jacques Y. Guigne</td><td>07/28/2010</td></tr><tr><td>J. Kim Welford</td><td>07/28/2010</td></tr><tr><td>Adam Gogacz</td><td>07/28/2010</td></tr><tr><td>Clyde Clements</td><td>07/28/2010</td></tr></tbody></table>		Name	Execution Date	Jacques Y. Guigne	07/28/2010	J. Kim Welford	07/28/2010	Adam Gogacz	07/28/2010	Clyde Clements	07/28/2010
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Adam Gogacz	07/28/2010										
Clyde Clements	07/28/2010										
RECEIVING PARTY DATA											
Name:	PanGeo Subsea, Inc.										
Street Address:	277 Water Street										
City:	St. John's										
State/Country:	CANADA										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12834096</td></tr></tbody></table>		Property Type	Number	Application Number:	12834096						
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Application Number:	12834096										
CORRESPONDENCE DATA											
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	PAG-10-05										
NAME OF SUBMITTER:	Richard A. Fagin										
Total Attachments: 2 source=PAG-10-05-assignment-signed#page1.tif source=PAG-10-05-assignment-signed#page2.tif											

OP \$40.00 12834096

PATENT

501256162

REEL: 024806 FRAME: 0439

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

PanGeo Subsea, Inc.

having the following address:

277 Water St., St John's, Newfoundland and Labrador, CANADA

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

Method For Accentuating Specular and Non-Specular seismic events From Within Shallow Subsurface Rock Formations

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to RICHARD A. FAGIN the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

July 28, 2010
Date

Signature: [Signature]
Print or Type Name: Jacques Y. Guigne

July 28, 2010
Date

Signature: [Signature]
Print or Type Name: J. Kim Welford

July 28, 2010
Date

Signature: [Signature]
Print or Type Name: Adam Gogacz

July 28, 2010
Date

Signature: [Signature]
Print or Type Name: Clyde Clements

Date

Signature: _____
Print or Type Name: _____

This Assignment must be signed before a Notary Public for one of the States in the United States:

Province of Newfoundland and Labrador
County of:

Before me personally appeared: Jacques Guigne Kim Welford
1st Inventor 2nd Inventor

Adam Gogacz Clyde Clements
3rd Inventor 4th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: July 28, 2010 [Signature] - Ryan
Notary Public My commission expires: Dec 31, 2014
Commissioner for Oaths

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 12/834, 096

Filing Date: July 12, 2010

DAWN ELAINE DOOLING RYAN
A Commissioner for Oaths
in and for the Province of Newfoundland and Labrador.
My Commission expires on December 31, 2014.

PATENT

RECORDED: 08/09/2010

REEL: 024806 FRAME: 0441