

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM305443

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Global Geophysical Services, Inc.		05/23/2014	CORPORATION: DELAWARE
Accrete Monitoring, Inc.		05/23/2014	CORPORATION: DELAWARE
RECEIVING PARTY DATA			
Name:	Wilmington Trust, National Association, as the Collateral Agent		
Street Address:	50 South Sixth Street, Suite 1290		
City:	Minneapolis		
State/Country:	MINNESOTA		
Postal Code:	55402		
Entity Type:	bank: UNITED STATES		
PROPERTY NUMBERS Total: 7			
Property Type	Number	Word Mark	
Registration Number:	4075067	AUTOSEIS	
Registration Number:	4036466	FRACFACTOR	
Registration Number:	3198605	EXCITING THE PLANET	
Registration Number:	3930326	GLOBAL MICROSEISMIC SERVICES	
Registration Number:	3040806	GLOBAL GEOPHYSICAL SERVICES	
Registration Number:	3148160	RG-3D RESERVOIR GRADE	
Registration Number:	3170964	RG 2D RESERVOIR GRADE	
CORRESPONDENCE DATA			
Fax Number:			
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Email:	lynn.little@bakerbotts.com		
Correspondent Name:	Lynn A. Little		
Address Line 1:	2001 Ross Avenue		
Address Line 2:	Baker Botts LLP		
Address Line 4:	Dallas, TEXAS 75201		
ATTORNEY DOCKET NUMBER:	083166.0121		
NAME OF SUBMITTER:	Lynn A. Little		

OP \$190.00 4075067

SIGNATURE:	/Lynn A. Little/
DATE SIGNED:	05/23/2014
Total Attachments: 4 source=IP Security Agreement - Trademarks#page1.tif source=IP Security Agreement - Trademarks#page2.tif source=IP Security Agreement - Trademarks#page3.tif source=IP Security Agreement - Trademarks#page4.tif	

GRANT OF A SECURITY INTEREST – TRADEMARKS

May 23, 2014

WHEREAS, Global Geophysical Services, Inc. and certain of its Subsidiaries (each individually a "Grantor" and collectively the "Grantors") have adopted, used and are using, and hold all right, title and interest in and to, the trademarks and service marks listed on the attached Schedule A, which trademarks and service marks are registered or applied for in the United States Patent and Trademark Office (the "Trademarks");

WHEREAS, the Grantors have entered into that certain Pledge and Security Agreement, dated as of April 25, 2014 (as amended, restated, supplemented, modified or otherwise changed from time to time, the "Security Agreement"), in favor of Wilmington Trust, National Association, as the Collateral Agent for itself and certain lenders (in such capacity, together with its successors and assigns, if any, the "Grantee"); and

WHEREAS, pursuant to the Security Agreement, the Grantors have granted to the Grantee, and granted to the Grantee for the benefit of the other Secured Parties (as defined in the Security Agreement), a continuing security interest in all right, title and interest of the Grantors in, to and under the Trademarks, together with, among other things, the goodwill of the business symbolized by the Trademarks and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the "Collateral"), to secure the payment, performance and observance of the Secured Obligations (as defined in the Security Agreement).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantors do hereby grant to the Grantee and grant to the Grantee for the benefit of the other Secured Parties a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

The Grantors do hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the Grantors have caused this Assignment to be duly executed by its officer thereunto duly authorized as of the date first written above.

GLOBAL GEOPHYSICAL SERVICES, INC.

By: Sean M. Gore
Name: Sean M. Gore
Title: Senior Vice President and Chief
Financial Officer

ACCRETE MONITORING, INC.

By: Sean M. Gore
Name: Sean M. Gore
Title: Senior Vice President and Chief
Financial Officer

Trademark Security
Agreement

TRADEMARK
REEL: 005285 FRAME: 0681

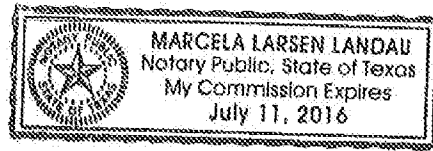
STATE OF Texas

SS.:

COUNTY OF Harris

On this 19 day of May, 2014, before me personally came Sean M. Gore, to me known to be the person who executed the foregoing instrument, and who, being duly sworn by me, did depose and say that s/he is the Senior Vice President and Chief Financial Officer of Global Geophysical Services, Inc., a Delaware corporation, and Accrete Monitoring, Inc., a Texas corporation, and that he executed the foregoing instrument in the name of said corporations, and that he had authority to sign the same, and he acknowledged to me that he executed the same as the act and deed of said corporations for the uses and purposes therein mentioned.


[NOTARY SEAL]



Trademark Security
Agreement

TRADEMARK
REEL: 005285 FRAME: 0682

SCHEDULE A TO GRANT OF A SECURITY INTEREST

Grantor	Trademark	Application or Registration No.	Filing Date	Registration Date
Global Geophysical Services, Inc.	AUTOSEIS	4075067	N/A	12/20/2011
Global Geophysical Services, Inc.	FracFactor	4036466	N/A	10/04/2011
Global Geophysical Services, Inc.	EXCITING THE PLANET	3198605	N/A	01/16/2007
Accrete Monitoring, Inc.	GLOBAL MICROSEISMIC SERVICES	3930326	N/A	03/08/2011
Global Geophysical Services, Inc. (Licensee)	GLOBAL GEOPHYSICAL SERVICES (with design)	3040806 (inactive)	N/A	01/10/06
Global Geophysical Services, Inc.	RG-3D RESERVOIR GRADE	3148160 (inactive)	N/A	09/26/06
Global Geophysical Services, Inc.	RG-2D RESERVOIR GRADE	3170964 (inactive)	N/A	11/14/06
Global Geophysical Services, Inc.	RG3D	N/A	N/A	N/A
Global Geophysical Services, Inc.	RG2D	N/A	N/A	N/A
Global Geophysical Services, Inc.	RESERVOIR GRADE	N/A	N/A	N/A
Global Geophysical Services, Inc.	HIGH DENSITY RESERVOIR GRADE 3D	N/A	N/A	N/A
Global Geophysical Services, Inc.	TOMOGRAPHIC FRACTURE IMAGING	N/A	N/A	N/A
Global Geophysical Services, Inc.	TFI	N/A	N/A	N/A
Global Geophysical Services, Inc.	GRID INSIGHT	N/A	N/A	N/A
Global Geophysical Services, Inc.	BASIN INSIGHT	N/A	N/A	N/A
Global Geophysical Services, Inc.	GAIN INSIGHT	N/A	N/A	N/A
Global Geophysical Services, Inc.	UNCONVENTIONAL CONSULTING	N/A	N/A	N/A
Global Geophysical Services, Inc.	OPERATIONAL EXCELLENCE	N/A	N/A	N/A