PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hooisweng Ow	10/04/2018
Jason R. Cox	03/18/2019
Martin E. Poitzsch	10/15/2018
Daniel T. Georgi	10/04/2018

RECEIVING PARTY DATA

Name:	ARAMCO SERVICES COMPANY
Street Address:	1200 SMITH STREET
Internal Address:	TWO ALLEN BUILDING
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77002

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16160313

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: 617-368-2145

Email: mattioli@fr.com, apsi@fr.com

Correspondent Name: ALLISON RAMSEY

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	38136-0384001
NAME OF SUBMITTER:	KIRSTIN MATTIOLI
SIGNATURE:	/kirstin mattioli/
DATE SIGNED:	05/31/2019

Total Attachments: 4

PATENT REEL: 049334 FRAME: 0189 source=38136-0384001; SA7358 - ASC0265 - assignment (ASC inventors) - FILED#page1.tif source=38136-0384001; SA7358 - ASC0265 - assignment (ASC inventors) - FILED#page2.tif source=38136-0384001; SA7358 - ASC0265 - assignment (ASC inventors) - FILED#page3.tif source=38136-0384001; SA7358 - ASC0265 - assignment (ASC inventors) - FILED#page4.tif

PATENT REEL: 049334 FRAME: 0190

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HOOISWENG OW, JASON R. COX, MARTIN E. POITZSCH, and DANIEL T. GEORGI, each individually assign to ARAMCO SERVICES COMPANY, a corporation formed under the laws of Texas and having a principal place of business at 1200 Smith Street, Two Allen Building, Houston, TX 77002, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "SURFACE LOGGING WELLS USING DEPTH-TAGGING OF CUTTINGS," and was or will be filed in the United States Patent and Trademark Office on October 15, 2018 ______, as application 16/160,313 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 2

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

October	Date: 194/2018
Hooisweng Öw	Date:
Jason R. Cox	Date: 10/15/2018
Martin E. Poitzsch	
Daniel T. Georgi	Date:

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We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Hooisweng Own	Date:
Japon R. Cox	Date: 03/8 2019
Martin E. Poitzsch	Date:
Daniel T. Georgi	Date:

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Assignment Page 2 of 2

Attorney Docket No.: 38136-0384001 / \$A7358/A\$C0265

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Hooisweng Ow	Date:
Jason R. Cox	Date:
Martin E. Poitzsch	Date:
Daniel T. Georgi	Date: 10/4/2018

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PATENT REEL: 049334 FRAME: 0194