

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2749266

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>YAMILA ORREGO</td><td>06/20/2013</td></tr><tr><td>TODD A. JANKOWSKI</td><td>06/20/2013</td></tr></tbody></table>	Name	Execution Date	YAMILA ORREGO	06/20/2013	TODD A. JANKOWSKI	06/20/2013					
Name	Execution Date										
YAMILA ORREGO	06/20/2013										
TODD A. JANKOWSKI	06/20/2013										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>CHEVRON U.S.A. INC.</td></tr><tr><td>Street Address:</td><td>P.O. BOX 6006</td></tr><tr><td>City:</td><td>SAN RAMON</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94583-0806</td></tr></table>	Name:	CHEVRON U.S.A. INC.	Street Address:	P.O. BOX 6006	City:	SAN RAMON	State/Country:	CALIFORNIA	Postal Code:	94583-0806	
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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>13923770</td></tr></tbody></table>	Property Type	Number	Application Number:	13923770							
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Application Number:	13923770										
CORRESPONDENCE DATA											
Fax Number: (713)751-3290											
Phone: 713-751-3200											
Email: jvillegas@kslaw.com											
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
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Address Line 1: 1100 LOUISIANA STREET											
Address Line 2: SUITE 4000 IP DEPARTMENT											
Address Line 4: HOUSTON, TEXAS 77002											
ATTORNEY DOCKET NUMBER:	51502.105007; T-9488										
NAME OF SUBMITTER:	ROBERT T. NEUFELD										
Signature:	/Robert T. Neufeld/										
Date:	03/02/2014										
Total Attachments: 3 source=FILEASSIGNMENT#page1.tif source=FILEASSIGNMENT#page2.tif source=FILEASSIGNMENT#page3.tif											

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Yamila Orrego, Todd A. Jankowski

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) June 20, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: CHEVRON U.S.A. INC.

Internal Address:

Street Address: P.O. Box 6006

City: San Ramon

State: California

Country: USA Zip: 94583-0806

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

13/923770

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: King & Spalding LLP

Internal Address: Suite 4000 IP Department

Street Address: 1100 Louisiana Street

City: Houston

State: Texas Zip: 77002

Phone Number: 713-751-3200

Docket Number: 51502.105007; T-9488

Email Address: jvillegas@kslaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☒ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number

Authorized User Name

9. Signature: /Robert T. Neufeld/

March 2, 2014

Signature

Date

Robert T. Neufeld

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, I / We,
Yamila Orrego of Houston, TX

have invented new and useful improvements in

"Heating Production Fluids in a Wellbore"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/923770
and filed on June 21, 2013, (the hereinafter named assignee being authorized to insert said
Serial Number and filing date when ascertained); and

WHEREAS, *CHEVRON U.S.A. INC.*, a corporation organized and existing under and by virtue of the laws of the
Commonwealth of Pennsylvania, and having a regular and established place of business at San Ramon, State of
California, is desirous of acquiring the entire right, title and interest in and to said invention, said application, and
in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the
United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby
sell, assign, transfer and set over unto said *CHEVRON U.S.A. INC.*, its successors and assigns, the entire right,
title and interest in and to said invention, said application, including all priority rights associated with said
application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations,
reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to
be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for,
to and in the United States of America, but for, to and in all other countries. The aforesaid assignment includes
the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to
any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of
America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity),
and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or
to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by
Assignors if this sale and assignment had not been made;

and I / We hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance
with this Assignment;

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and I / We have
not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not
otherwise encumbered by any grant, license or right;

and I / We hereby further covenant and agree that we will communicate to said Assignee, its successors, legal
representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore,
upon request, without additional compensation but at no expense to me / us, testify in any interference or legal
proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-
in-part, renewal, substitute or extension thereof.

In witness whereof, I / We have signed my / our name(s) on the date set forth below.

Inventor Signature: [Signature]
Inventor Name: Yamila Orrego

Date: June 20th, 2013

Witness Signature: [Signature]
Witness Name: FABIAN HENDEZ

Date: June 20th, 2013

ASSIGNMENT

WHEREAS, I / We,

Todd A. Jankowski of Los Alamos, NM

have invented new and useful improvements in

"Heating Production Fluids in a Wellbore"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/923770
and filed on June 21, 2013 (the hereinafter named assignee being authorized to
insert said Serial Number and filing date when ascertained); and

WHEREAS, LOS ALAMOS NATIONAL SECURITY, LLC, a Delaware Limited Liability Company, having
regular and established place of business located in Los Alamos, New Mexico at the Los Alamos National
Laboratory, Los Alamos, New Mexico 87545, is desirous of acquiring the entire right, title and interest in
and to said invention, and in and to the Letters Patent to be granted and issued therefor:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We,
hereby sell, assign, transfer and set over unto said LOS ALAMOS NATIONAL SECURITY LLC, and their
successors and assigns, a 100% undivided right, title and interest in and to said invention, the said
application and all divisions, continuations, reexaminations, and reissues thereof; and in and to all Letters
Patent to be granted and issued therefore and all reexamination certificates, reissues and extensions
thereof, not only for, to and in the United States of America, but for, to and in all other countries. The
aforesaid assignment includes the right in and to all income, royalties, damages and payments now or
hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all
causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past,
present and future infringement of the rights assigned or to be assigned under this Assignment, as fully
and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had
not been made;

and I / We hereby authorize and request the Commissioner for Patents to issue said Letters Patent in
accordance with this Assignment;

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and we
have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned
herein are not otherwise encumbered by any grant, license or right;

and I / We hereby further covenant and agree that we will communicate to said Assignees, its
successors, legal representatives and assigns, any facts known to us respecting said inventions and
discoveries; and furthermore, upon request, without additional compensation but at no expense to me /
us, testify in any interference or legal proceedings involving said inventions, and sign any applications for
reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.

In witness whereof, I / We have signed my / our name(s) on the date set forth below.

Inventor Todd A. Jankowski Date June 20, 2013
Todd A. Jankowski

Witness Sandra Quintana Date June 20, 2013
Witness name Sandra Quintana